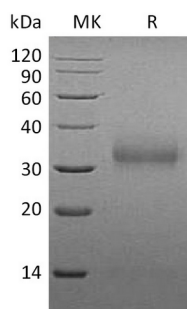


## 概述 (Summary)

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | Sclerostin/SOST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 纯度 (Purity)                 | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 内毒素 (Endotoxin level)       | <1 EU/μg as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 蛋白构建 (Construction)         | Recombinant Mouse Sclerostin is produced by our Mammalian expression system and the target gene encoding Gln24-Tyr211 is expressed with a 6His tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Accession #                 | Q99P68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 表达宿主 (Host)                 | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 种属 (Species)                | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 预测分子量 (Predicted MW)        | 21.9 KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 蛋白形态 (Form)                 | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 储存缓冲液 (Buffer)              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 运输方式 (Shipping)             | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 稳定性&储存 (Stability &Storage) | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                          |
| 复溶 (Reconstitution)         | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## 电泳图 (SDS-PAGE image)

**Product Name: Recombinant Mouse SOST (C-6His)**  
**Catalog #: PHM1470**



## 背景 (Background)

### 分子别名 (Alternative Names)

Sclerostin; Sost

### 背景介绍 (References)

Sclerostin (SOST) is a member of the cerberus/DAN family, a group of secreted glycoproteins characterized by a cysteine-knot motif. Cerberus/DAN family members are putative BMP antagonists, and include Dan, Cerberus, Gremlin, PRDC, and Caronte. While the overall sequence identity between members of the family is low, they have conserved spacing of six cysteine residues. Cerberus and Dan have an additional cysteine residue used for dimerization; however, SOST does not and is secreted as a monomer. SOST was originally identified as an important regulator of bone homeostasis. SOST is expressed by osteoclasts in developing bones of mouse embryos, including both intramembranously forming skull bones and endochondrally forming long bones. SOST plays a physiological role as a negative regulator of bone formation by repressing BMP-induced osteogenesis. SOST has been shown to have unique ligand specificity, binding BMP-5, -6, and -7 with high affinity and BMP-2 and -4 with low affinity.

## 注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.