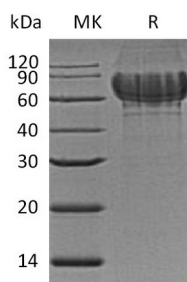


概述 (Summary)

英文全称	Bone Sialoprotein 2/IBSP/Sialoprotein II
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 Bone Sialoprotein 2 is produced by our Mammalian expression system and the target gene encoding Phe17-Gln324 is expressed with a 6His tag at the C-terminus.
Accession #	AAA21726.1
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Mouse
预测分子量 (Predicted MW)	35.1 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 IBSP (C-6His)
Catalog #: PHM0166



背景 (Background)

分子别名 (Alternative Names)

BNSP; Bone sialoprotein 2; Bone sialoprotein; BSP; BSP2; BSPII; Cell binding sialoprotein; IBSP; Integrin binding sialoprotein; SP II

背景介绍 (References)

Bone sialoprotein 2 (IBSP) is a monomeric non-collagenous member of the SIBLING family of extracellular matrix proteins. It is principally associated with the early stages of bone mineralization. Mouse IBSP is synthesized as a 324 amino acid (aa) precursor that contains a 16 aa signal sequence and a 308 aa mature region. The mature segment is divided into a basic N-terminus (aa 17 - 62), a central region (aa 63 - 233), and an acidic C-terminus (aa 234 - 317). IBSP is highly glycosylated, sulfated and phosphorylated. Phosphorylation promotes HAp nucleation, while carbohydrate may regulate cell adhesion. IBSP binds tightly to hydroxyapatite, appears to form an integral part of the mineralized matrix. It is probably important to cell-matrix interaction and promotes Arg-Gly-Asp-dependent cell attachment.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.