

产品名称: Recombinant Human Serpin A7 (C-6His)  
产品货号: PHH2110

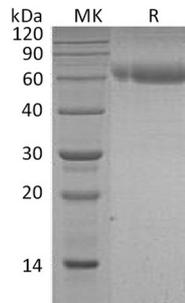


## 概述 (Summary)

|                             |   |
|-----------------------------|---|
| 英文全称                        | Serpin A7/TBG   |
| 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 Human Serine Protease Inhibitor-clade A7 is produced by our Mammalian expression system and the target gene encoding Ala21-Ala415 is expressed with a 6His tag at the C-terminus.   |
| Accession #                 | P05543  |
| 表达宿主 (Host)                 | Human Cells   |
| 种属 (Species)                | Human   |
| 预测分子量 (Predicted MW)        | 49.9 KDa  |
| 制剂 (Form)                   | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.   |
| 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) | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.   |
| 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)

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## 背景 (Background)

### 分子别名 (Alternative Names)

### 背景介绍 (References)

Thyroxine-Binding Globulin; Serpin A7; T4-Binding Globulin; SERPINA7; TBG

Serpin A7 is a secreted protein which belongs to the Serpin family. As a 54 kDa protein, Serpin A7 is synthesized primarily in the liver and secreted in plasma. Genomically, Serpin A7 is a serpin, although it has no inhibitory function like many other members of this class of proteins. Serpin A7 binds thyroid hormone in circulation. It is one of three proteins (along with transthyretin and albumin) responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3' -triiodothyronine (T3) in the bloodstream. Of these three proteins, Serpin A7 has the highest affinity for T4 and T3, but is present in the lowest concentration. Despite its low concentration, Serpin A7 carries the majority of T4 in serum. Due to the very low serum concentration of T4 and T3 in the blood, Serpin A7 is rarely more than 25% saturated with its ligand. Unlike transthyretin and albumin, Serpin A7 has a single binding site for T4/T3. Serpin A7 tests are sometimes used in finding the reason for elevated or diminished levels of thyroid hormone, and defects in Serpin A7 are a cause of Serpin A7 deficiency.

## 注意事项 (Note)

For research use only .