

CHAMOT

**重组人维生素K依赖蛋白S /Recombinant PROS1,
Human, Animal-Free**

CM188-5HP

CM188-20HP

CM188-100HP

CM188-500HP

CM188-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人维生素K依赖蛋白S /Recombinant PROS1, Human, Animal-Free

产品编号	CM188-5HP	CM188-20HP	CM188-100HP	CM188-500HP	CM188-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 PROS1, also known as protein S, is a vitamin K-dependent protein that plays a crucial role in the regulation of blood coagulation. It functions as a cofactor for protein C, another key player in the coagulation cascade. PROS1 acts as an anticoagulant by inhibiting the activity of certain clotting factors and promoting the breakdown of blood clots. It helps maintain the balance between clotting and anticoagulation, preventing the formation of excessive blood clots that can lead to thrombosis.

别称 PROS, Vitamin K-dependent protein S

蛋白编码 P07225

分子量 The protein has a calculated MW of 82.89 kDa. The protein migrates as 75 kDa under reducing condition (SDS-PAGE analysis).

表达系统 Escherichia coli

纯度 >95% as determined by SDS-PAGE analysis.

生物活性 Testing in process

内毒素检测 <1 EU per 1 µg of the protein by the LAL method.

蛋白序列 A DNA sequence encoding Human PROS1 Protein (#P07225)(Ala42-Ser676) was expressed with polyhistidine-SUMO tag at the N-terminus.

产品形式 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

产品应用 Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml.
- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

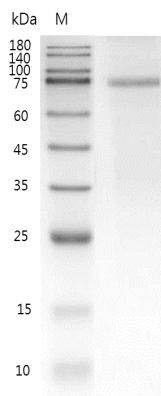
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant human PROS1

For Research Use or Further Manufacturing Only

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