

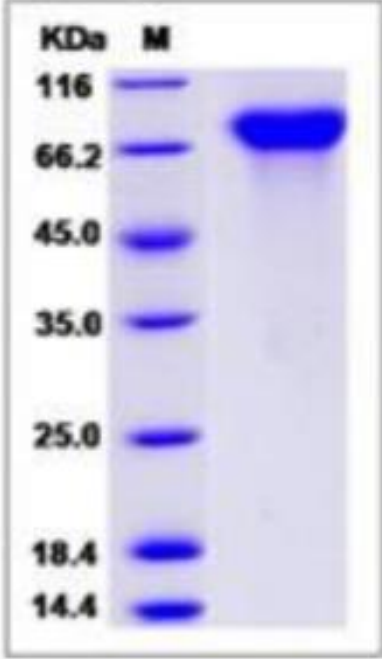
# Human PROS1 / Protein S Protein (His Tag)

Cat# C3283– 100 ug

Storage at -20°C Avoid. repeated freeze-thaw cycles.

## INTFORMATION

<b>Product Name</b>	Human PROS1 / Protein S Protein (His Tag)
<b>Cat NO.</b>	C3283
<b>Size</b>	100 ug
<b>Source</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Uniprot</b>	P07225
<b>Protein Construction</b>	A DNA sequence encoding the human PROS1 (P07225) (Met1-Ser676) was expressed with a polyhistidine tag at the C-terminus.
<b>Description</b>	PROS1, also known as protein S, is a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. PROS1 has two isoforms: a free, functionally active form and an inactive form complexed with C4b binding protein. Besides its anticoagulant function, PROS1 also acts as an agonist for the tyrosine kinase receptors Tyro3, Axl, and Mer. The endothelium expresses Tyro3, Axl, and Mer and produces protein S. The interaction of protein S with endothelial cells and particularly its effects on angiogenesis have not yet been analyzed.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 °C
<b>Predicted N terminal</b>	Asn 25
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.
<b>Reconstitution</b>	Detailed reconstitution instructions are sent along with the products.
<b>Molecular Weight</b>	The recombinant human PROS1 consists of 663 amino acids and predicts a molecular mass of 74.1 KDa.

<b>Application Molecular Weight</b>	It migrates as an approximately 69-89 KDa band in SDS-PAGE under reducing conditions.
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Alias</b>	PROS; Protein S; PS21; PS22; PS23; PS24; PS25; PSA; THPH5; THPH6
<b>Background</b>	
<b>Image</b>	

### **PRODUCT USE LIMITATION**

These products are intended for research use only.