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# Datasheet for ABIN7197584

# **PROS1 Protein (His tag)**



#### Overview

Quantity:	100 μg
Target:	PROS1 (PROS)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PROS1 protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Human PROS1/Protein S Protein (His Tag)
Sequence:	Met 1-Ser676
Characteristics:	A DNA sequence encoding the human PROS1 (P07225) (Met1-Ser676) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

# **Target Details**

Target:	PROS1 (PROS)
Alternative Name:	PROS1 (PROS Products)
Background:	Background: 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

# **Target Details**

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.

Synonym: PROS,Protein S,PS21,PS22,PS23,PS24,PS25,PSA,THPH5,THPH6

Molecular Weight:

74.1 kDa

UniProt:

P07225

## **Application Details**

Restrictions:

For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.