

Recombinant Human PROS1 Protein (42-676 aa), His-SUMO-tagged

Cat. No. PROS1-743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROS1 Protein (42-676 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	42-676 aa
Description	Anticoagulant plasma protein; it is a cofactor to activated protein C in the degradation of coagulation factors Va and VIIIa. It helps to prevent coagulation and stimulating fibrinolysis.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	86.6 kDa
AA Sequence	ANSLLEETKQGNLERECIEELCNKEEAREVFENDPETDYFYPKYLVLCLRSFQTGLFT AARQSTNAYPDLRSCVNAIPDQCSPLPCNEDGYMSCKDGKASFTCTCKPGWQGEK CEFDINECKDPSNINGGCSQICDNTPGSYHCCKNGFVMLSNNKKDCKDVDECSLKP SICGTAVCKNIPGDFECECEGYRYNLKSKSCEDIDECSENMCACLQCVNYPGGYTC YCDGKKGFKLAQDQKSCEVSVCLPLNLDTKYELLYLAEQFAGVVLYLKFRLEISR FSAEFDRTYDSEGVIYAESIDHSAWLLIALRGGKIEVQLKNEHTSKITTGGDVINNG

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LWNMVSVEELEHSISIKIAKEAVMDINKPGPLFKPENGLLETKVYFAGFPRKVESELIK
PINPRLDGCIRSWNLMKQGASGIKEIIQEKQNKHCLVTVEKGSYYPGSGIAQFHIDYN
NVSSAEGWHVNVTLNIRPSTGTGVMLALVSGNNTVPFAVSLVDSTSEKSQDILLSVE
NTVIYRIQALSCLSDQQSHLEFRVNRNNLELSTPLKIETISHEDLQRQLAVLDKAMKA
KVATYLGGLPDVPFSATPVNAFYNGCMEVNINGVQLDLDEAISKHNDIRAHSCPSVW
KKTENS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [PROS1 protein S \(alpha\) \[Homo sapiens \]](#)

Official Symbol [PROS1](#)

Synonyms PROS1; PROS; protein Sa; PSA; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6;

Gene ID [5627](#)

mRNA Refseq [NM_000313](#)

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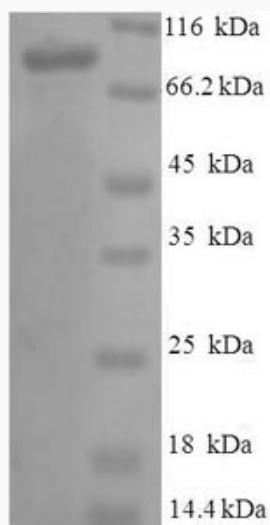
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Protein Refseq NP_000304

MIM 176880

UniProt ID P07225



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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