

Recombinant Rat PROS1 Protein (42-675 aa), GST-tagged

Cat. No. PROS1-744R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PROS1 Protein (42-675 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	E.coli
ProteinLength	42-675 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	96.9 kDa
AA Sequence	ANTLLEETKKGNLERECIEELCNKEEAREVFENNPE TDYFYPKYL GCLGA FRVGA FS AARQSANAYPDLRSCVNAIPDQC DPMPCNEDGYLSCKDGQGAFTCICKPGWQGDK CQFDINECKDPSNINGGCSQTCDNTPGSYHC SCKIGFAMLTNKKDCKDVDECSLKP SVC GTAVCKNIPGDFECECPNGYRYDPSSK SCKDVDECSSENTCAQLCVNYPGGYS CYCDGKKGFKLAQDQRSCEGIPVCLSLDL DKNYELLYLAEQFAGVVLYLKFRLPDIT RFSAEFDFRTYDSEGIILYAESLDHSNWLLIALREGKIEVQFKNEFSTQITGGNVINN GIWNMVSVEELDDSVSIIKIAKEAVMNINKL GSLFKPTDGF LDTKIYFAGLPRKVESALI

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KPINPRLDGCGIRGWNLMKQGALGAKEIVEGKQNKHCFLTVEKGSYYPGSGIAQFSID
YNNVTNAEGWQINVTLNIRPSTGTGVMLALVSGDTPFALSLVDSGSGTSQDILVFV
ENSVAAHLEAITLCSEQPSQLKCNINRNGLELWTPVRKDVYISKDLQRQLAILDKTMK
GTVATYLGGVDPDISFSATPVNAFYSGCMEVNINGVQLDLDEAISKHNDIRAHSCPSV
RKIQKNF

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 \(alpha\) \[Rattus norvegicus \]](#)

Official Symbol [PROS1](#)

Synonyms PROS1; protein S (alpha);

Gene ID [81750](#)

mRNA Refseq [NM_031086](#)

Protein Refseq [NP_112348](#)

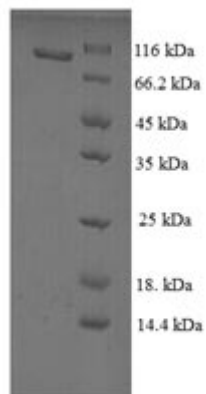
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UniProt ID

P53813



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

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