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	ANTLLEETKKGNLERECIEELCNKEEAREVFENNPETDYFYPKYLGCLGAFRVGAFS AARQSANAYPDLRSCVNAIPDQCDPMPCNEDGYLSCKDGQGAFTCICKPGWQGDK CQFDINECKDPSNINGGCSQTCDNTPGSYHCSCKIGFAMLTNKKDCKDVDECSLKP SVCGTAVCKNIPGDFECECPNGYRYDPSSKSCKDVDECSENTCAQLCVNYPGGYS CYCDGKKGFKLAQDQRSCEGIPVCLSLDLDKNYELLYLAEQFAGVVLYLKFRLPDIT RFSAEFDFRTYDSEGIILYAESLDHSNWLLIALREGKIEVQFKNEFSTQITTGGNVINN GIWNMVSVEELDDSVSIKIAKEAVMNINKLGSLFKPTDGFLDTKIYFAGLPRKVESALI

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	KPINPRLDGCIRGWNLMKQGALGAKEIVEGKQNKHCFLTVEKGSYYPGSGIAQFSID YNNVTNAEGWQINVTLNIRPSTGTGVMLALVSGDTVPFALSLVDSGSGTSQDILVFV ENSVAAHLEAITLCSEQPSQLKCNINRNGLELWTPVRKDVIYSKDLQRQLAILDKTMK GTVATYLGGVPDISFSATPVNAFYSGCMEVNINGVQLDLDEAISKHNDIRAHSCPSV 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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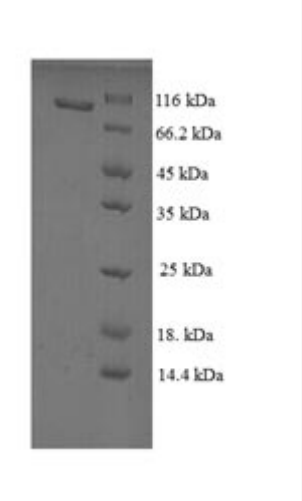
UniProt ID	P53813



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

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