

Vitamin K-dependent protein S Recombinant Protein | PROS1 recombinant protein

Recombinant Human Vitamin K-dependent protein S

CATALOG # AAA81710	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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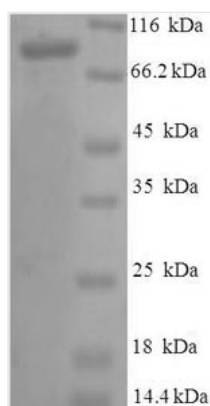
PRODUCT SYNONYMS

Vitamin K-dependent protein S; Recombinant Human Vitamin K-dependent protein S; PROS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	42-676aa; Full Length of Mature Protein
Sequence	ANSLLEETKQ GNLERECIEE LCNKEEAREV FENDPETDYF YPKYLVLCLRS FQTGLFTAAR QSTNAYPDLR SCVNAIPDQC SPLPCNEDGY MSCKDGKASF TCTCKPGWQG EKCEFDINEC KDPSNINGGC SQICDNTPGS YHCSCKNGFV MLNKKDKD VDECSLKPSI CGTAVCKNIP GDFECEPEG YRYNLKSKSC EDIDECSENM CAQLCVNYPG GYTCYCDGKK GFKLAQDQKS CEVSVCLPL NLDTKYELLY LAEQFAGVVL YLKFRLEIS RFSAEFDERT YDSEGVILYA ESIDHSAWLL IALRGGKIEV QLKNEHTSKI TTGGDVINNG LWNMVSVEEL EHSISIKIAK EAVMDINKPG PLFKPENGLL ETKVYFAGFP RKVESELIKP INPRLDGCIR SWNLMKQGAS GIKEIIEKQ NKHCLVTVEK GSYYPGSGIA QFHIDYNNVS SAEGWHVNVN LNIRPSTGTG VMLALVSGNN TVPFAVSLVD STSEKSDIL LSVNTVIYR IQALSLCSDQ QSHLEFRVNR NNLELSTPLK IETISHEDLQ RQLAVLDKAM KAKVATYLGK LPDVPFSATP VNAFYNGCME VNINGVQLDL DEAIKHNDI RAHSCPSVWK KTKNS
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PROS1 recombinant protein	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.
Product Categories/Family for PROS1 recombinant protein	Cardiovascular
References	Human protein S cDNA encodes Phe-16 and Tyr 222 in consensus sequences for the post-translational processing.Ploos van Amstel H.K., van der Zanden A.L., Reitsma P.H., Bertina R.M.FEBS Lett. 222:186-190(1987) Cloning and characterization of human liver cDNA encoding a protein S precursor.Hoskins J., Norman D.K., Beckmann R.J., Long G.L.Proc. Natl. Acad. Sci. U.S.A. 84:349-353(1987) Organization of the human protein S genes.Schmidel D.K., Tatro A.V., Phelps L.G., Tomczak J.A., Long G.L.Biochemistry 29:7845-7852(1990) Intron-exon organization of the active human protein S gene PS alpha and its pseudogene PS beta duplication and silencing during primate evolution.Ploos van Amstel H.K., Reitsma P.H., der Logt C.P., Bertina R.M.Biochemistry 29:7853-7861(1990) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) SeattleSNPs variation discovery resource

NCBI AND UNIPROT INFORMATION

NCBI GI #	192447438
NCBI GeneID	5627
NCBI Accession #	NP_000304.2
NCBI GenBank Nucleotide #	NM_000313.3
UniProt Accession #	P07225; Q15518; Q7Z715; Q9UCZ8; A8KAC9; D3DN28
Molecular Weight	86.6 kDa
NCBI Official Full Name	vitamin K-dependent protein S isoform 2 preproprotein
NCBI Official Synonym Full Names	protein S (alpha)
NCBI Official Symbol	PROS1
NCBI Official Synonym Symbols	PSA; PROS; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6
NCBI Protein Information	vitamin K-dependent protein S
UniProt Protein Name	Vitamin K-dependent protein S
UniProt Gene Name	PROS1
UniProt Synonym Gene Names	PROS
UniProt Entry Name	PROS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pros1-recombinant-protein-e-coli/81710>