



Recombinant Human Vitamin K-dependent protein S (PROS1)

Product Code	CSB-YP018754HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P07225
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ANSLLEETK QGNLERECIE ELCNKEEARE VFENDPETDY FYPKYLIVCLR SFQTGLFTAA RQSTNAYPDL RSCVNAIPDQ CSPLPCNEDG YMSCKDGKAS FTCTCKPGWQ GEKCEFDINE CKDPSNINGG CSQICDNTPG SYHCSCKNGF VMLSNNKDCK DVDECSLKPS ICGTAVCKNI PGDFECECPE GYRYNLKSKS CEDIDECSEN MCAQLCVNYP GGYTCYCDGK KGFKLAQDQK SCEVVSIVCLP LNLDTKYELL YLAEQFAGVV LYLKFRLEI SRFSAEFDFR TYDSEGVILY AESIDHSAWL LIALRGGKIE VQLKNEHTSK ITTGGDVINN GLWNMVSVEE LEHSISIKIA KEAVMDINKP GPLFKPENGL LETKVYFAGF PRKVESELIK PINPRLDGC I RSWNLMKQGA SGIKEIIQEK QNKHCLVTVE KGSYYPGSGI AQFHIDYNNV SSAEGWHVNV TLNIRPSTGT GVMLALVSGN NTVPFAVSLV DSTSEKSQDI LLSVENTVIY RIQALSLCSD QQSHLEFRVN RNNLELSTPL KIETISHEDL QRQLAVLDKA MKAKVATYLG GLPDVPF SAT PVNAFYNGCM EVNINGVQLD LDEAISKHND IRAHSCPSVW KGTKNS
Source	Yeast
Target Names	PROS1
Protein Names	Recommended name: Vitamin K-dependent protein S
Expression Region	42-676
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4b-binding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome 3.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.