



Recombinant Human Plasma protease C1 inhibitor (SERPING1)

Product Code	CSB-YP021086HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P05155
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	NPNATSSS SQDPESLQDR GEGKVATTVI SKMLFVEPIL EVSSLPTTNS TTNSATKITA NTTDEPTTQP TTEPTTQPTI QPTQPTTQLP TDSPTQPTTG SFCPGPVTLG SDLESHSTEA VLGDALVDFS LKLYHAFSAM KKVETNMAFS PFSIASLLTQ VLLGAGENTK TNLESILSYP KDFTCVHQAL KGFTTKGVTS VSQIFHSPDL AIRDTFVNAS RTLYSSSPRV LSNNSDANLE LINTWVAKNT NNKISRLLDS LPSDTRLVLL NAIYLSAKWK TTFDPKTRM EPFHFKNQSVI KVPMMNSKKY PVAHFIDQTL KAKVGGQLQLS HNLVSLVILVP QNLKHRLEDM EQALSPSVFK AIMEKLEMSK FQPTLLTLPR IKVTTSDQML SIMEKLEFFD FSYDLNLCGL TEDPDLQVSA MQHQTVLELT ETGVEAAAAS AISVARTLLV FEVQQPFLFV LWDQQQHKFPV FMGRVYDPRA
Source	Yeast
Target Names	SERPING1
Protein Names	Recommended name: Plasma protease C1 inhibitor Short name= C1 Inh Short name= C1Inh Alternative name(s): C1 esterase inhibitor C1-inhibiting factor Serpin G1
Expression Region	23-500
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 highly glycosylated plasma protein involved in the regulation of the complement cascade. Its protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform.
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.