



# Recombinant Human Plasma protease C1 inhibitor (SERPING1)

<b>Product Code</b>	CSB-MP021086HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P05155
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>                     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 TTFDPKKTRM EPFHFKNSEVI                      KVPMMNSKKY PVAHFIDQTL KAKVGQLQLS HNLVSLVILVP QNLKHRLEDM                      EQALSPSVFK AIMEKLEMSK FQPTLLTLPR IKVTTSDQML SIMEKLEFFD                      FSYDLNLCGL TEDPDLQVSA MQHQTVLELT ETGVEAAAAS AISVARTLLV                      FEVQQPFLFV LWDQQQHKFPV FMGRVYDPRA                 </p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SERPING1
<b>Protein Names</b>	Recommended name: Plasma protease C1 inhibitor Short name= C1 Inh Short name= C1Inh Alternative name(s): C1 esterase inhibitor C1-inhibiting factor Serpin G1
<b>Expression Region</b>	23-500
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.