



Recombinant Human Alpha-1-antichymotrypsin (SERPINA3)

Product Code	CSB-EP021059HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P01011
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	HPNSPLD EENLTQENQD RGTHVDLGLA SANVDFAFSL YKQLVLKAPD KNVIFSPLSI STALAFSLG AHNTTLTEIL KGLKFNLTTET SEAEIHQSFQ HLLRTLNQSS DELQLSMGNA MFVKEQLSLL DRFTEDAKRL YGSEAFATDF QDSAAAKLI NDYVKNTRG KITDLIKDLD SQTMMVLVNY IFFKAKWEMP FDPQDTHQSR FYLSKKKWVM VPMMSLHHLT IPYFRDEELS CTVELKYTG NASALFILPD QDKMEEVEAM LLPETLKRWR DSLEFREIGE LYLPKFSISR DYNLNDILLQ LGIEEAFTSK ADLSGITGAR NLAVSQVVHK AVLDVFEEGT EASAATAVKI TLLSALVETR TIVRFNRPFL MIIVPTDTQN IFFMSKVTPN KQA
Source	E.coli
Target Names	SERPINA3
Protein Names	Recommended name: Alpha-1-antichymotrypsin Short name= ACT Alternative name(s): Cell growth-inhibiting gene 24/25 protein Serpin A3 Cleaved into the following chain: 1. Alpha-1-antichymotrypsin His-Pro-less
Expression Region	24-423
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 protein is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein s sequence have been implicated in Alzheimer s disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease.
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.