Recombinant Human Chymotrypsin-like elastase family member 3A (CELA3A)

Product Code	CSB-YP007588HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P09093
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	VV HGEDAVPYSW PWQVSLQYEK SGSFYHTCGG SLIAPDWVVT AGHCISRDLT YQVVLGEYNL AVKEGPEQVI PINSEELFVH PLWNRSCVAC GNDIALIKLS RSAQLGDAVQ LASLPPAGDI LPNKTPCYIT GWGRLYTNGP LPDKLQQARL PVVDYKHCSR WNWWGSTVKK TMVCAGGYIR SGCNGDSGGP LNCPTEDGGW QVHGVTSFVS AFGCNFIWKP TVFTRVSAFI DWIEETIASH
Source	Yeast
Target Names	CELA3A
Protein Names	Recommended name: Chymotrypsin-like elastase family member 3A EC= 3.4.21.70 Alternative name(s): Elastase IIIA Elastase-3A Protease E
Expression Region	29-270
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	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3A has little elastolytic activity. Like most of the human elastases, elastase 3A is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3A preferentially cleaves proteins after alanine residues. Elastase 3A may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1.
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.