



Recombinant Rat Cathepsin S (Ctss)

Product Code	CSB-EP006204RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q02765
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	LPDSVDWR EKGCVTNVKY QGSCGSCWAF SAEGALEGQL KLKTGKLVSL SAQNLVDCST EEKYGNKGC GGFMTAEFQY IIDTSIDSEA SYPYKAMDEK CLYDPKNRAA TCSRYIELPF GDEEALKEAV ATKGPVSVGI DDASHSSFFL YQSGVYDDPS CTENMNHGVL VVG YGTLDGK DYWLVKNSWG LHFGDQGYIR MARNKNHCG IASYCSYPEI
Source	E.coli
Target Names	Ctss
Protein Names	Recommended name: Cathepsin S EC= 3.4.22.27
Expression Region	113-330
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, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene.
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.