



Recombinant Rat Cathepsin Z (Ctsz)

Product Code	CSB-EP006206RA-B
Abbreviation	Ctsz
Storage	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.
Uniprot No.	Q9R1T3
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	LPKNWDW RNVNGVNYAS VTRNQHIPQY CGSCWAHGST SALADRINIK RKGAWPSTLL SVQNVIDCGN AGSCEGGNDL PVWEYAHKHG IPDETCNNYQ AKDQECDFKN QCGTCTEFKE CHTIQNYTLW RVGDYGSLSG REKMMAEIYA NGPISCGIMA TERMSNYTGG IYTEYQNQAI INHIISVAGW GVSNDGIEYW IVRNSWGEPW GERGWMRIVT STYKGGTGSS YNLAIEEACT FGDPIV
Source	E.coli
Target Names	Ctsz
Protein Names	Recommended name: Cathepsin Z EC= 3.4.18.1 Alternative name(s): Cathepsin Y
Expression Region	64-306
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 lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The encoded protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis.
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.