



# Recombinant Rat Cathepsin Z (Ctsz)

<b>Product Code</b>	CSB-MP006206RA
<b>Abbreviation</b>	Ctsz
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9R1T3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Ctsz
<b>Protein Names</b>	Recommended name: Cathepsin Z EC= 3.4.18.1 Alternative name(s): Cathepsin Y
<b>Expression Region</b>	64-306
<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 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.
<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.
<b>Shelf Life</b>	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.