

# Recombinant mouse Cathepsin Z protein

Catalog Number: ATGP3296

## PRODUCT INFORMATION

---

### Expression system

Baculovirus

### Domain

23-306aa

### UniProt No.

Q9WUU7

### NCBI Accession No.

NP\_071720

### Alternative Names

CTSZ, AI787083, AU019819, CTSX, D2Wsu143e

## PRODUCT SPECIFICATION

---

### Molecular Weight

32.8 kDa (292aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

CTSZ, also known as cathepsin Z/X, is a relatively new cysteine protease of the papain family. Compared to other members of the papain family, CTSZ has a short proregion and unique insertions. Acting as a carboxypeptidase, CTSZ displays a unique specificity. Recombinant mouse CTSZ, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Recombinant mouse Cathepsin Z protein

Catalog Number: ATGP3296

### Amino acid Sequence

ARARLYFRSG QTCYHPIRGD QLALLGRRTY PRPHEYLSPA DLPKNWDWRN VNGVNYASVT RNQHIPPQYCG SCWAHGSTSA  
MADRINIKRK GAWPSILLSV QNVIDCGNAG SCEGGNDLPV WEYAHKHGIP DETCNNYQAK DQDCDKFNQC GTCTEFKECH  
TIQNYTLWRV GDYGSLSGRE KMMAEIYANG PISCGIMATE MMSNYTGGIY AEHQDQAVIN HIISVAGWGV SNDGIEYWIV  
RNSWGEPWGE KGWMRIVTST YKGGTGDSYN LAIESACTFG DPIVLEHHHH HH

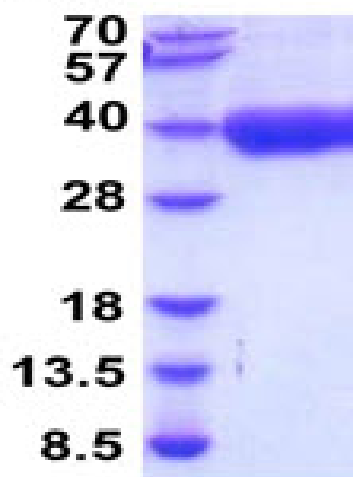
### General References

Santamaria., et al. (1998) J. Biol. Chem. 273:16816-16823.  
Menard., et al. (2001) Biol. Chem. 382:839-845.

## DATA

### SDS-PAGE

(kDa)



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 $\mu$ g)