

# Product information

## Cathepsin Z, 23-306aa

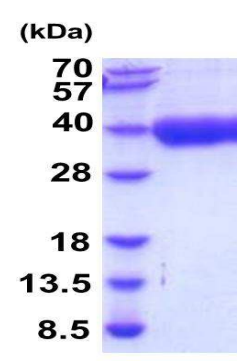
Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3296

NCBI Accession No.: NP\_071720

**Synonyms:** CTSZ, AI787083, AU019819, CTSX, D2Wsu143e

**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.

<p><b>Form:</b> Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p><b>Molecular Weight:</b> 32.8kDa (292aa) 28-40KDa (SDS-PAGE under reducing conditions.)</p> <p><b>Predicted N terminal:</b> Ala23</p> <p><b>Purity:</b> &gt; 95% by SDS – PAGE.</p> <p><b>Concentration:</b> 0.5mg/ml (determined by Absorbance at 280nm)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>(kDa)</p> <p>70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p>
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### Sequences of amino acids:

ARARLYFRSG QTCYHP I RGD QLALLGRRTY PRPHEYLSPA DLPKNWDWRN VNGVNYASVT RNQH I PQYCG SCWAHGSTSA MADR I N I KRK  
GAWPS I LLSV QNVIDCGNAG SCEGGNDLPV WEYAHKHG I P DETCNNYQAK DQDCDFNQC GTCTEFKECH TIQNYTLWRV GDYGSLSGRE  
KMMAE I YANG PISCGIMATE MMSNYTGG I Y AEHQDQAVIN H I I SVAGWGV SNDG I EYWIV RNSWGEPWGE KGWMR I VTST YKGGTGDSYN  
L A I E S A C T F G D P I V L E H H H H H H H

### General references:

Santamaria., *et al.* (1998) *J. Biol. Chem.* 273:16816-16823.

Menard., *et al.* (2001) *Biol. Chem.* 382:839-845.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**