

Cathepsin Z, 23-306aa, Mouse, His tag, Insect cell

Cat.NO.: TP01436

3th Edition

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.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 32.8kDa (292aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ARARLYFRSGQTCYHPIRGDQLALLGRRTYPRPHEYLSPADLPKNWDWRNVNGVNYASVTRNQHIPQYCGSCWA
HGSTSAMADRINIKRKGAWPSILLSVQNVIDCGNAGSCEGGNDLPVWEYAHKHGIPDETCNNYQAKDQDCDKFNQ
CGTCTEFKECHTIQNYTLWRVGDYGSLSGREKMMAEIYANGPISCGIMATEMMSNYTGGIYAEHQDQAVINHIISVA
GWGVSNDGIEYWIVRNSWGEPWGEKGMRIVTSTYKGGTGDSYNLAIESACTFGDPIVLEHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.