

## Product datasheet for TP504311

### Ctsz (NM\_022325) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cathepsin Z (Ctsz), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204311 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASSGSVQQLPLVLLMLLLASAARARLYFRSGQTCYHPIRGDQLALLGRRTYPRPHEYLSPADLPKNWDW  
RNVNGVNYASVTRNQHIPQYCGSCWAHGSTSAMADRINIKRKGAWPSILLSVQNVIDCGNAGSCEGGNDL  
PWWEYAHKHGIPDETCNNYQAKDQDCDFNQCGTCTEFKECHTIQNYTLWRVGDYGSLSGREKMMAEIYA  
NGPISCGIMATEMMSNYTGGIYAEHQDQAVINHII SVAGWGVSN DGIEYWIVRNSWGEPWGEKGMRIVT  
STYKGGTGDSYNLAIESACTFGDPIV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	34 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_071720</a>
Locus ID:	64138
UniProt ID:	<a href="#">Q9WUU7</a> , <a href="#">Q545I6</a>



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**RefSeq Size:** 1393

**Cytogenetics:** 2 97.94 cM

**RefSeq ORF:** 921

**Synonyms:** AI787083; AU019819; CTS; CTSX; D2Wsu143; D2Wsu143e

**Summary:** This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate a mature enzyme with carboxypeptidase activity. An enzymatically inactive form of the protein, that is associated with the propeptide, may be involved in cancer cell invasion and proliferation. Homozygous knockout mice for this gene exhibit impaired cancer cell invasion in a breast cancer model. [provided by RefSeq, Aug 2015]