

Product datasheet for PH308341

Cathepsin Z (CTSZ) (NM_001336) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CTSZ MS Standard C13 and N15-labeled recombinant protein (NP_001327)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208341
Predicted MW:	33.9 kDa
Protein Sequence:	>RC208341 protein sequence Red=Cloning site Green=Tags(s) MARRGPGWRPLLLLVLLAGAAQGGLYFRRGQTCYRPLRGDGLAPLGRSTYPRPHEYLSPADLPKSWDWRN VDGVNYASITRNQHIPQYCGSCWAHASTSAMADRINIKRKGAWPSTLLSVQNVIDCGNAGSCEGGNDLSV WDYAHQHGIPDETNNYQAKDQECDFNQCGTCNEFKCHAIRNYTLWRVGDYGSLSGREKMAEIIYANG PISCGIMATERLANYTGGIYAEYQDTTYINHVSVVAGWGISDGTIEWIVRNSWGEPWGERGWLRIVTSTY KDGKGARYNLAIEEHCTFGDPIV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001327</u>
RefSeq Size:	1517
RefSeq ORF:	909
Synonyms:	CTSX
Locus ID:	1522



[View online »](#)

UniProt ID: [Q9UBR2](#)

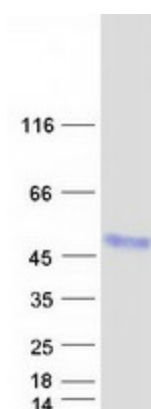
Cytogenetics: 20q13.32

Summary: The protein encoded by this gene 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. [provided by RefSeq, Oct 2008]

Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome

Product images:



Coomassie blue staining of purified CTSZ protein (Cat# [TP308341]). The protein was produced from HEK293T cells transfected with CTSZ cDNA clone (Cat# [RC208341]) using MegaTran 2.0 (Cat# [TT210002]).