

**AR51152PU-N****Human Cathepsin Z (62-303, His-tag) - Purified**

<b>Alternate names:</b>	CTSZ, Cathepsin P, Cathepsin X
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1mg/ml (determined by Bradford assay)
<b>Background:</b>	CTSZ is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The 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. At least two transcript variants of this gene have been found, but the full-length nature of only one of them has been determined.
<b>Uniprot ID:</b>	<a href="#">Q9UBR2</a>
<b>NCBI:</b>	<a href="#">NP_001327</a>
<b>GeneID:</b>	<a href="#">1522</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
<b>Description:</b>	Recombinant human CTSZ protein, fused to His-tag at N-terminus, was expressed in E.coli . <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSLPKSWDW RNVDGVNYAS ITRNQHIPQY CGSCWAHAST SAMADRINIK RKGAWPSTLL SVQNVIDCGN AGSCEGGNDL SVWDYAHQHG IPDETCNNYQ AKDQECDKFN QCGTCNEFKE CHAIRNYTLW RVGDYGSLSG REKMMAEIYA NGPISCGIMA TERLANYTGG IYAEYQDTTY INHVSVVAGW GISDGTEYWI VRNSWGEPWG ERGWLRIVTS TYKDGKGARY NLAIEEHCTF GDPIV <b>Molecular weight:</b> 29.5 kDa (265aa)
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Santamaria I., et al. (1998). J Biol Chem 273 (27): 16816–23.

Pictures:

