Datasheet for ABIN5853241

Cathepsin Z Protein (CTSZ) (AA 62-303) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Cathepsin Z (CTSZ)
Protein Characteristics:	AA 62-303
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin Z protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLPKSWDW RNVDGVNYAS ITRNQHIPQY CGSCWAHAST SAMADRINIK RKGAWPSTLL SVQNVIDCGN AGSCEGGNDL SVWDYAHQHG IPDETCNNYQ AKDQECDKFN QCGTCNEFKE CHAIRNYTLW RVGDYGSLSG REKMMAEIYA NGPISCGIMA TERLANYTGG IYAEYQDTTY INHVVSVAGW GISDGTEYWI VRNSWGEPWG ERGWLRIVTS TYKDGKGARY NLAIEEHCTF GDPIV
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	Cathepsin Z (CTSZ)
Alternative Name:	CTSZ (CTSZ Products)
Background:	CTSZ is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits

Target Details

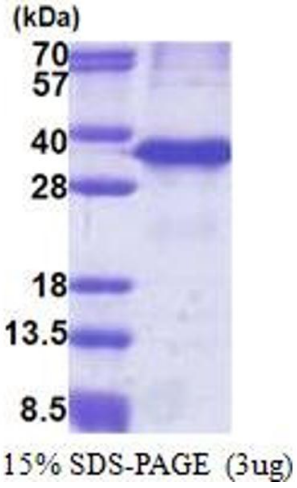
	both carboxy-monopeptidase and carboxy-dipeptidase activities. The protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis. At least two transcript variants of this gene have been found, but the full-length nature of only one of them has been determined. Recombinant human CTSZ protein, fused to His-tag at N-terminus, was expressed in E.coli .
Molecular Weight:	29.5 kDa (265aa)
NCBI Accession:	NP_001327
UniProt:	Q9UBR2
Pathways:	Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol, 0.4M urea
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.