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Datasheet for ABIN1096251

Cathepsin Z Protein (CTSZ) (AA 24-303) (His tag)

Overview

Quantity:	50 µg
Target:	Cathepsin Z (CTSZ)
Protein Characteristics:	AA 24-303
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin Z protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cathepsin Z/CTSZ (C-6His)
Sequence:	GLYFRRGQTC YRPLRGDGLA PLGRSTYPRP HEYLSPADLP KSWDWRNVLDG VNYASITRNQ HIPQYCGSCW AHASTSAMAD RINIKRKGAW PSTLLSVQNV IDCGNAGSCE GGNDLSVWDY AHQHGPDET CNNYQAKDQE CDKFNQCGTC NEFKECHAIR NYTLWRVGDY GSLSGREKMM AEIYANGPIS CGIMATERLA NYTGGIYAEY QDTTYINHVV SVAGWGISDG TEYWIVRNSW GEPWGERGWL RIVTSTYKDG KGARYNLAIE EHCTFGDPIV VDHHHHHH
Characteristics:	Recombinant Human Cathepsin Z/CTSZ (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Cathepsin Z (CTSZ)
Alternative Name:	Cathepsin Z (CTSZ Products)
Background:	<p>Recombinant Human Cathepsin Z produced by transfected human cells is a secreted protein with sequence (Gly24-Val303) of Human CTSZ fused with a polyhistidine tag at the C-terminus. Cathepsin Z is a lysosomal cysteine proteinase and belongs to the peptidase C1 family. Human Cathepsin Z contains a signal sequence, a propeptide and a mature chain. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. In contrast to cathepsin B, it does not act as an endopeptidase. Cathepsin Z is restricted to the cells of the immune system, predominantly monocytes, macrophages and dendritic cells. It is expressed ubiquitously in cancer cell lines and primary tumors. Like other members of this family, Cathepsin Z may be involved in tumorigenesis.</p>
Molecular Weight:	32.51 kDa
UniProt:	Q9UBR2
Pathways:	Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, pH 4.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months