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Datasheet for ABIN7319393

Cathepsin Z Protein (CTSZ) (His tag)

Overview

Quantity:	50 µg
Target:	Cathepsin Z (CTSZ)
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 Protein (His Tag)
Sequence:	Gly24-Val303
Characteristics:	Recombinant Human Cathepsin Z is produced by our Mammalian expression system and the target gene encoding Gly24-Val303 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Cathepsin Z (CTSZ)
Alternative Name:	Cathepsin Z (CTSZ Products)
Background:	Background: 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

Target Details

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.

Synonym: Cathepsin Z, Cathepsin P, Cathepsin X, CTSZ

Molecular Weight: 32.5 kDa

UniProt: [Q9UBR2](#)

Pathways: [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, pH 4.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.