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Datasheet for ABIN1096248

Cathepsin L2 Protein (CTSL2) (AA 18-334) (His tag)

Overview

Quantity:	50 µg
Target:	Cathepsin L2 (CTSL2)
Protein Characteristics:	AA 18-334
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin L2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cathepsin L2/CTSL2 (C-6His)
Sequence:	VPKFDQNLDT KQYQWKATHR RLYGANEEGW RRAVWEKNMK MIELHNGEYS QGKHGFTMAM NAFGDMTNEE FRQMMGCFRN QKFRKGKVFR EPLFLDLPKS VDWRRKKGYVT PVKNQKQCGS CWAFSATGAL EGQMFRKTGK LVSLSEQNLV DCSR PQGNQG CNGGF MARAF QYVKENGGLD SEESYPYVAV DEICKYRPEN SVANDTGFTV VAPGKEKALM KAVATVGPI S VAMDAGHSSF QFYKSGIYFE PDCSSKNLDH GVLVVGYGFE GANSNN SKYW LVKNSWGPEW GSNGYVKIAK DKNNHCGIAT AASYPNVVDH HHHHH
Characteristics:	Recombinant Human Cathepsin L2/CTSL2 (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 L2 (CTSL2)
Alternative Name:	Cathepsin L2 (CTSL2 Products)
Background:	<p>Recombinant Human Cathepsin L2 produced by transfected human cells is a secreted protein with sequence (Val18-Val384) of Human CTSL2 fused with a polyhistidine tag at the C-terminus.</p> <p>Cathepsin L2 belongs to the Peptidase C1 family. Cathepsin L2 can be autocatalytically converted to the mature form as a proenzyme in lysosomes at pH=7.0. Cathepsin L2 cannot be expressed in normal mammary gland, colon and peritumoral tissue, but it can be expressed in breast carcinomas and colorectal tissues. These suggests Cathepsin L2 may play a role in tumor processes. Cathepsin L2 is specifically expressed in the testis, thymus, and corneal epithelium.</p>
Molecular Weight:	36.69 kDa
UniProt:	O60911
Pathways:	Toll-Like Receptors Cascades

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 MES, 150 mM NaCl, pH 5.5.
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