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Datasheet for ABIN1096236

Cathepsin D Protein (CTSD) (full length) (His tag)

Overview

Quantity:	50 µg
Target:	Cathepsin D (CTSD)
Protein Characteristics:	full length
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin D protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cathepsin D/CTSD (C-6His)
Sequence:	LVRIPLHKFT SIRRTMSEVG GSVEDLIAKG PVSKYSQAVP AVTEGPIPEV LKNYMDAQYY GEIGIGTPPQ CFTVVFDTS SNLWVPSIHC KLLDIACWIH HKYNSDKSST YVKNGTSTFDI HYGSGSLSGY LSQDTVSVPC QSASSASALG GVKVERQVFG EATKQPGITF IAAKFDGILG MAYPRISVNN VLPVFDNLMQ QKLVDQNIFS FYLSRDPDAQ PGGELMLGGT DSKYYKGSLG YLVNTRKAYW QVHLDQVEVA SGLTLCKEGC EAVDTGTSL MVGPVDEVRE LQKAIGAVPL IQGEYMIPCE KVSTLPAITL KLGKGKGYKLS PEDYTLKVSQ AGKTLCLSGF MGMDIPPPSG PLWILGDVFI GRYYTTFDRD NNRVGFAEAA RLHHHHHHH
Characteristics:	Recombinant Human Cathepsin D is produced with our mammalian expression system in human cells. The target protein is expressed with the full length sequence of Human CTSD fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

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 D (CTSD)
Alternative Name:	cathepsin-d (CTSD Products)
Sub Type:	Fusionprotein
Background:	<p>The protein acid protease active in intracellular protein breakdown and involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. It is specificity similar to, but narrower than, that of pepsin A and it does not cleave the 4-Gln-"</p> <p>Alternative Names: -His-5 bond in B chain of insulin. It consists of a light chain and a heavy chain and expressed in the aorta extracellular space. The Val-58 allele is significantly overrepresented in demented patients (11.8%) compared with non-demented controls (4.9%).</p> <p>Ca</p>
Molecular Weight:	43.8 kDa
UniProt:	P07339
Pathways:	Peptide Hormone Metabolism

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:	Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months