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Datasheet for ABIN7320739
Cathepsin D Protein (CTSD) (His tag)

1 Image

Overview

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

Product Details

Purpose:	Recombinant Mouse Cathepsin D/CTSD Protein (His Tag)
Sequence:	Ile21-Leu410
Characteristics:	Recombinant Mouse Cathepsin D is produced by our Mammalian expression system and the target gene encoding Ile21-Leu410 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Cathepsin D (CTSD)
Alternative Name:	Cathepsin D/CTSD (CTSD Products)
Background:	Background: CTSD localizes to the lysosome and consists of a light chain and a heavy chain. CTSD is expressed in epithelial cells as well as in macrophages.CTSD is a lysosomal aspartyl protease that depends critically on protonation of its active site Asp residue and gets activated

Target Details

at pH 5 in endosome of hepatocytes. It has been suggested to facilitate cancer cell migration and invasion by digesting the basement membrane, extracellular matrix and xonnective tissue. In addition, CTSD has been used as a breast cancer tumor marker.

Synonym: Cathepsin D, CTSD,CPSD

Molecular Weight:	43.9 kDa
NCBI Accession:	NP_034113
Pathways:	Peptide Hormone Metabolism

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM MES,150 mM NaCl, pH 5.5.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images
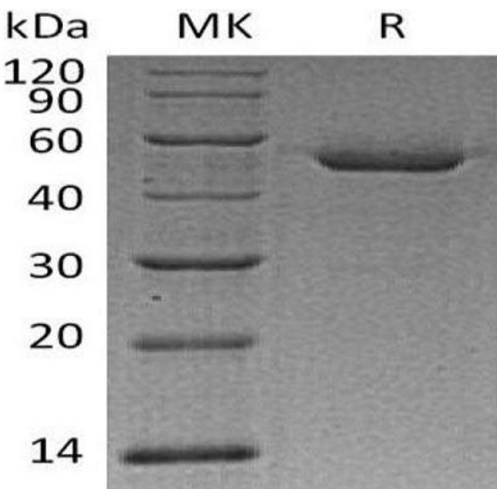
Western Blotting

Image 1.