

[Go to Product page](#)

Datasheet for ABIN7318253

**Cathepsin D Protein (CTSD) (His tag)**

## Overview

Quantity:	50 µg
Target:	Cathepsin D (CTSD)
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 Protein (His Tag)
Sequence:	Leu21-Leu412
Characteristics:	Recombinant Human Cathepsin D is produced by our Mammalian expression system and the target gene encoding Leu21-Leu412 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 D (CTSD)
Alternative Name:	Cathepsin D/CTSD ( <a href="#">CTSD Products</a> )
Background:	Background: 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-

## Target Details

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 %). Carriers of the Val-58 allele have a 3.1-fold increased risk for developing AD than non-carriers. It belongs to the peptidase A1 family

Synonym: Cathepsin D, CTSD, CLN10, CPSD, HEL-S-130P

Molecular Weight: 43.8 kDa

UniProt: [P07339](#)

Pathways: [Peptide Hormone Metabolism](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.

Storage: -20 °C

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