

Datasheet for ABIN934502 Cathepsin D Protein (CTSD)



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Overview

Quantity:	50 µg
Target:	Cathepsin D (CTSD)
Origin:	Human
Source:	Human
Protein Type:	Native
Biological Activity:	Active

Product Details

Characteristics:	<p>Purified native Human Cathepsin D protein</p> <p>Bioactivity: 300 units/mg -One unit of activity is defined as the amount of enzyme which digests hemoglobin-releasing peptides which are soluble in 10 % TCA. The reaction is measured by an increase of an A280 of 1.0 per 60 minutes at 37o C. Substrate: acid denatured hemoglobin (0.2 % in reaction mixture). Buffer: 0.1 M formate, pH 3.3.</p> <p>Protein Source: Human plasma</p>
Purity:	> 98 % pure

Target Details

Target:	Cathepsin D (CTSD)
Alternative Name:	Cathepsin D (CTSD Products)
Background:	Cathepsin D is a protein that in humans is encoded by the CTSD gene. This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. .

Target Details

Description: Human plasma.

Molecular Weight: 42 kDa

Pathways: [Peptide Hormone Metabolism](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with laboratory grade water.

Buffer: Lyophilized from 2 mM Na₃PO₄, pH 6.5.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.