

Recombinant Human cathepsin L1

Cat. No. CTSL1-91H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cathepsin L encoding a.a. 1-87 expressed in <i>E.coli</i> , 38 kDa.
Species	Human
Source	E.coli
Protein Length	1-87 a.a.
Description	Cathepsins B, C, H, L, S, V, X/Z/P and 1 are cysteine proteases of the papain family. Cathepsin C is also known as DPPI (dipeptidyl-peptidase I). Cathepsin A is a serine carboxypeptidase and Cathepsin D and E are aspartic proteases. As lysosomal proteases, cathepsins play an important role in protein degradation. Because of their redistribution or increased levels in human and animal tumors, cathepsins may have a role in invasion and metastasis. Cathepsins are synthesized as inactive proenzymes and processed to become mature and active enzymes. Endogenous protein inhibitors, such as cystatins and some serpins, inhibit active enzymes.
Presentation	Recombinant Human Cathepsin L protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Applications	•ELISA •Inhibition Assays •Western Blotting
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 38 kDa.

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Storage

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

CTSL1 cathepsin L1 [Homo sapiens]

Synonyms

CTSL1; cathepsin L1; MEP; CATL; CTSL; FLJ31037; CTSL1; cathepsin L; EC 3.4.22.15; OTTHUMP00000021601; OTTHUMP00000021602; OTTHUMP00000063566; Major excreted protein

Gene ID

1514

mRNA Refseq

NM_001912

Protein Refseq

NP_001903

MIM

116880

UniProt ID

P07711

**Chromosome
Location**

9q21.33

Pathway

Antigen processing and presentation; Lysosome; Diabetes pathways;

Function

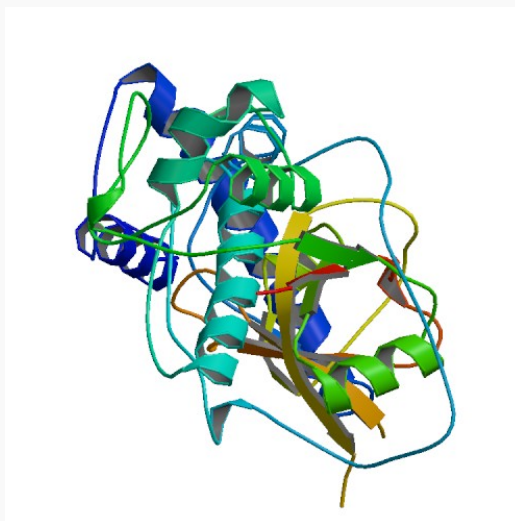
aminopeptidase activity; cysteine-type endopeptidase activity; kininogen binding; peptidase activity; peptide binding

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