

Recombinant Human Cathepsin L2, His-tagged

Cat. No. CTSL2-507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human cathepsin V, CD33 signal peptide(1-16aa) + cathepsin V (a-a 18-334), with C-terminal His tag expressed in <i>FreeStyle 293-F cells</i> . MW= 37 kDa.
Species	Human
Source	HEK293
ProteinLength	1-16;18-334 a.a.
Description	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may play an important role in corneal physiology. This gene is expressed in colorectal and breast carcinomas but not in normal colon, mammary gland, or peritumoral tissues, suggesting a possible role for this gene in tumor processes.
Purity	>90%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20 and 10% glycerol.
Stability	>6 months at –80°C.

GENE INFORMATION

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Gene Name	CTSL2 cathepsin L2 [Homo sapiens]
Synonyms	CTSL2; cathepsin L2; CTSU; CTSV; CATL2; MGC125957; EC3.4.22.43; Cathepsin L2; Cathepsin V; Cathepsin U; UNQ268/PRO305
Gene ID	1515
mRNA Refseq	NM_001333
Protein Refseq	NP_001324
MIM	603308
UniProt ID	O60911
Chromosome Location	9q22.2
Pathway	Lysosome
Function	cysteine-type endopeptidase activity; peptidase activity; protein binding

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