

Active Recombinant Human CTSV Protein, His-tagged

Cat. No. CTSV-1009H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSV (Accession # O60911) Val18-Val334, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Val18-Val334
Predicted N Terminal	Val18
Form	Supplied as a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >400 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human CTSV, His-tagged has a calculated MW of 37 kDa. In SDS-PAGE migrates as 40 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

CTSV cathepsin V [Homo sapiens (human)]

Official Symbol

CTSV

Synonyms

CTSU; CATL2; CTSL2; cathepsin L2; cathepsin L2; cathepsin L2, preproprotein; cathepsin U

Gene ID

1515

mRNA Refseq

NM_001201575.1

Protein Refseq

NP_001188504.1

MIM
UniProt ID

O60911

**Chromosome
Location**

9q22.2

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