

Recombinant Human CTSL1 protein(Thr 18 - Val 333)

Cat. No. CTSL1-896H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSL1 protein(Thr 18 - Val 333)(P07711-1) was expressed in HEK293, with the C-terminal fused polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	Thr 18 - Val 333
Form	Supplied as 0.2 um filtered solution in 50 mM NaAc, 0.5 M NaCl, pH 4.5 with glycerol as protectant.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC, The specific activity is >35,000 pmol/ min/ ug.
Molecular Mass	The protein has a calculated MW of 37.8 kDa. The protein migrates as 31-33 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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For Research Use Only

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20°C to -70°C for 12 months in lyophilized state;

-70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CTSL1 cathepsin L1 [Homo sapiens]
Official Symbol	CTSL1
Synonyms	CTSL1; cathepsin L1; cathepsin L , CTS; FLJ31037; cathepsin L; major excreted protein; MEP; CATL; CTS;
Gene ID	1514
mRNA Refseq	NM_001257971
Protein Refseq	NP_001244900
MIM	116880
UniProt ID	P07711

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