

## Recombinant Human CTSL1 protein(Thr 18 - Val 333)

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human CTSL1 protein(Thr 18 - Val 333)(P07711-1) was expressed in HEK293, with the C-terminal fused polyhistidine tag.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Thr 18 - Val 333  |
| <b>Form</b>             | Supplied as 0.2 um filtered solution in 50 mM NaAc, 0.5 M NaCl, pH 4.5 with glycerol as protectant.   |
| <b>Bio-activity</b>     | Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC, The specific activity is >35,000 pmol/ min/ ug.   |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | Less than 1EU per ug by the LAL method.   |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.   |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20°C or lower.   |

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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 , CTSL; FLJ31037; cathepsin L; major excreted protein; MEP; CATL; CTSL;


**Gene ID** 1514

**mRNA Refseq** NM\_001257971

**Protein Refseq** NP\_001244900

**MIM** 116880

**UniProt ID** P07711

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