

Recombinant Human CTSS Protein, His-tagged

Cat. No. CTSS-283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSS Protein [Gln 17 - Ile 331 (pro) & Ser 109 - Ile 331 (mature)] (NP_004070), fused with a polyhistidine tag at the C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 17 - Ile 331 (pro) & Ser 109 - Ile 331 (mature)
Form	Lyophilized from sterile 50 mM MES, pH 6.5 with 100 mM NaCl, 10% trehalose.
Molecular Mass	Recombinant Human CTSS Protein has a calculated MW of 36.6 kDa. The protein migrates as 37 kDa (pro) and 26 kDa (mature) on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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 CTSS cathepsin S [Homo sapiens]

Official Symbol CTSS

Synonyms CTSS; cathepsin S; MGC3886; FLJ50259;

Gene ID 1520

mRNA Refseq NM_001199739

Protein Refseq NP_001186668

MIM 116845

UniProt ID P25774

Chromosome Location 1q21

Pathway Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Endosomal/Vacuolar pathway, organism-specific biosystem;

Function cysteine-type endopeptidase activity; peptidase activity;

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