

Active Recombinant Human CTSS protein, His-tagged

Cat. No. CTSS-2695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Cathepsin S Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln17-Ile331) of human Cathepsin S/CTSS (Accession #NP_004070.3) fused with an 8×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Gln17-Ile331
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The specific activity is >1390 pmol/min/µg.
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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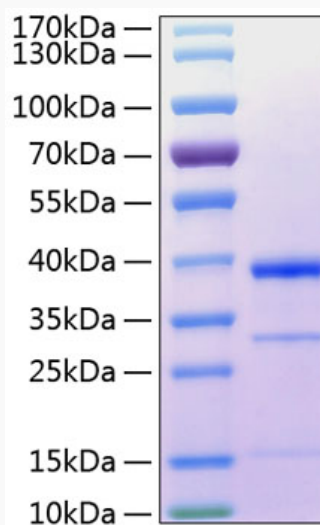
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GENE INFORMATION

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

SDS-PAGE



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