

Active Recombinant Human CTSC protein, His-tagged

Cat. No. CTSC-2509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CTSC protein(NP_001805.3) (Met 1-Leu 463) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-463 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Arg-7-amido-4-methylcoumarin (GRAMC). The specific activity is >200 pmoles/min/μg.
Molecular Mass	The secreted recombinant human cathepsin C exists as the pro form after removal of the signal peptide. It consists of 450 amino acids and has a predicted molecular mass of 51 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCTSC is approximately 55 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

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 CTSC cathepsin C [Homo sapiens]

Official Symbol CTSC

Synonyms CTSC; cathepsin C; PALS, PLS; dipeptidyl peptidase 1; DPP1; cathepsin J; dipeptidyl peptidase I; dipeptidyl transferase; dipeptidyl-peptidase I; JP; HMS; JPD; PLS; CPPI; DPPI; PALS; DPP-I;

Gene ID 1075

mRNA Refseq NM_001114173

Protein Refseq NP_001107645

MIM 602365

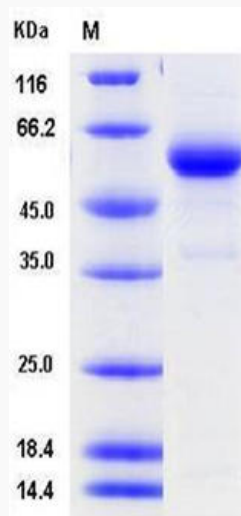
UniProt ID P53634

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SDS-PAGE



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