

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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