

Active Recombinant Human CTSC, His-tagged

Cat. No. CTSC-2510H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSC (Asp25-Leu463) fused with 10-His tag at C-terminal was expressed in NS0 cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Asp25-Leu463
Predicted N Terminal	Asp25
Form	Supplied as a 0.2 µm filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Arg-7-amido-4-methylcoumarin (GR-AMC).The specific activity is >200 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Predicted Molecular Mass: 51 kDa;SDS-PAGE: 60 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade

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under sterile conditions after opening.

Shipping

The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

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

Chromosome Location 11q14.2

Pathway Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

Function chloride ion binding; cysteine-type endopeptidase activity; cysteine-type peptidase activity; identical protein binding; peptidase activity; protein self-association;

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