

## Active Recombinant Human CTSC, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CTSC (Asp25-Leu463) fused with 10-His tag at C-terminal was expressed in NS0 cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Asp25-Leu463
<b>Predicted N Terminal</b>	Asp25
<b>Form</b>	Supplied as a 0.2 µm filtered solution in MES and NaCl.
<b>Bio-activity</b>	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/g, as measured under the described conditions.
<b>Molecular Mass</b>	Predicted Molecular Mass: 51 kDa;SDS-PAGE: 60 kDa, reducing conditions
<b>Endotoxin</b>	< 1.0 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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**

<b>Gene Name</b>	CTSC cathepsin C [ Homo sapiens ]
<b>Official Symbol</b>	CTSC
<b>Synonyms</b>	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;
<b>Gene ID</b>	1075
<b>mRNA Refseq</b>	NM_001114173
<b>Protein Refseq</b>	NP_001107645
<b>MIM</b>	602365
<b>UniProt ID</b>	P53634
<b>Chromosome Location</b>	11q14.2
<b>Pathway</b>	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
<b>Function</b>	chloride ion binding; cysteine-type endopeptidase activity; cysteine-type peptidase activity; identical protein binding; peptidase activity; protein self-association;

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