Active Recombinant Human CTSC, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CTSC (Asp25-Leu463) fussed 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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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