

Active Recombinant Mouse Ctsc Protein, His-tagged

Cat. No. Ctsc-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ctsc protein (Asp25-Leu462) with a C-terminal 10-His tag was expressed in mouse myeloma cell line.
Species	Mouse
Source	Mammalian Cells
ProteinLength	25-462 a.a.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Arg-7-amido-4-methylcoumarin (GR-AMC). The specific activity is > 10,000 pmol/min/g.
Molecular Mass	8 kDa and 20-27 kDa, reducing conditions
N-terminal Sequence Analysis	Asp25 (Pro domain) and Asp394 (Heavy/alpha chain)
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 under sterile conditions after opening.

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Storage Buffer Supplied as a 0.2 µm filtered solution in MES, NaCl and Glycerol.

GENE INFORMATION

Gene Name	Ctsc cathepsin C [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ctsc
Synonyms	Ctsc; cathepsin C; CatC; DPP1; DPPI; AI047818; dipeptidyl peptidase 1; cathepsin J; dipeptidyl peptidase I; dipeptidyl transferase; EC 3.4.14.1
Gene ID	13032
mRNA Refseq	NM_009982
Protein Refseq	NP_034112
UniProt ID	P97821

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