

Recombinant Mouse Ctsc Protein, Myc/DDK-tagged

Cat. No. Ctsc-2368M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cathepsin C (Ctsc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the dipeptidyl peptidase 1 light, heavy, and exclusion domain chains, which together comprise one subunit of the homotetrameric enzyme. This enzyme has amino dipeptidase activity and may play a role in the activation of granzymes during inflammation. Homozygous knockout mice for this gene exhibit impaired granzyme activation and enhanced survival in a sepsis model.
Molecular Mass	52.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 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

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ctsc cathepsin C [Mus musculus (house mouse)]

Official Symbol Ctsc

Synonyms CTSC; cathepsin C; dipeptidyl peptidase 1; DPP-I; cathepsin J; dipeptidylpeptidase 1; dipeptidyl peptidase I; dipeptidyl transferase; dipeptidyl-peptidase 1; dipeptidyl-peptidase I; DPP1; DPPI; AI047818

Gene ID 13032

mRNA Refseq NM_009982

Protein Refseq NP_034112

UniProt ID P97821

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