

Recombinant Mouse Ctsw protein, His & T7-tagged

Cat. No. Ctsw-8184M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ctsw aa. (Asp22~Pro371 (Accession # P56203)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Asp22~Pro371
Description	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate a mature protein product. Expression of the encoded protein is upregulated following lymphocyte activation. Data from a human cell line suggests that the encoded enzyme may be important for viral entry into host cells.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.6kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 9.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	Ctsw cathepsin W [Mus musculus (house mouse)]
Official Symbol	Ctsw
Synonyms	Ctsw; cathepsin W; lymphopain
Gene ID	13041
mRNA Refseq	NM_009985.5
Protein Refseq	NP_034115.2

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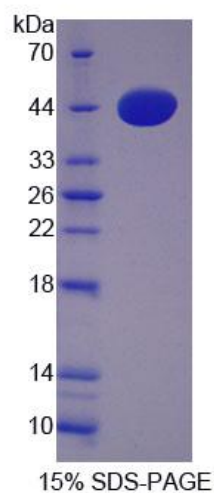
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UniProt ID

P56203

SDS-PAGE

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