

Recombinant Mouse Ctsg protein, His & GST-tagged

Cat. No. Ctsg-1105M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ctsg aa. (Ile21~Thr261 (Accession # P28293) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ile21~Thr261
Description	This gene encodes a member of the peptidase S1 (chymotrypsin) family of serine endopeptidases. The encoded preproprotein is proteolytically processed to generate a mature protein product. This product appears to play a role in host defense, including inflammation and antigen processing. Homozygous knockout mice for this gene exhibit enhanced susceptibility to bacterial and fungal infection.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 10.8.

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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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

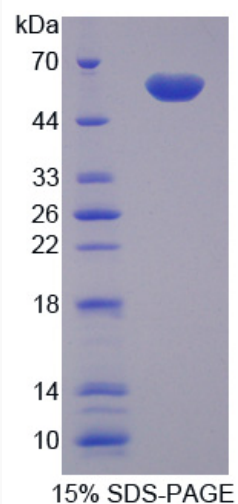
Gene Name	Ctsg cathepsin G [Mus musculus (house mouse)]
Official Symbol	Ctsg
Synonyms	Ctsg; cathepsin G; VSP; CatG; vimentin-specific protease
Gene ID	13035
mRNA Refseq	NM_007800.2
Protein Refseq	NP_031826.1
UniProt ID	P28293

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SDS-PAGE



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