

Recombinant Mouse Cma1 Protein, His/GST-tagged

Cat. No. Cma1-508M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cma1(Leu9~Asn247) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu9~Asn247
Description	This gene encodes a serine protease that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. The encoded preproprotein undergoes proteolytic processing to generate a functional enzyme with elastase-like activity. Mice lacking the encoded protein exhibit significant attenuation of ischemia-reperfusion injury of the skeletal muscle. This gene is located in a cluster of related mast cell protease genes on chromosome 14.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.32kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Cma1 chymase 1, mast cell [<i>Mus musculus</i>]
Official Symbol	Cma1
Synonyms	CMA1; chymase 1, mast cell; chymase; alpha-chymase; mast cell chymase 1; mast cell protease 5; mast cell protease I; Mcp5; Mcp-5; Mcpt5; MMCP-5;
Gene ID	17228
mRNA Refseq	NM_010780
Protein Refseq	NP_034910
UniProt ID	P21844

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