

## Recombinant Mouse Granzyme B

Cat. No. Gzmb-414M Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	Granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1), also known as GZMB, is a serine protease involved in many pathologies, including viral infections, autoimmunity, transplant rejection, and antitumor immunity. Granzyme B may be a useful prognostic marker in early rheumatoid arthritis and may provide important clues to the pathogenesis of this disease.
<b>Molecular Weight</b>	The molecular weight of Recombinant Mouse Granzyme B is 34-37 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

### GENE INFORMATION

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<b>Gene Name</b>	Gzmb granzyme B [ Mus musculus ]
<b>Synonyms</b>	Gzmb; granzyme B; GZB; CCP1; Ctla1; Ctla-1; AI553453; CCP-1; C11
<b>Gene ID</b>	14939
<b>mRNA Refseq</b>	NM_013542
<b>Protein Refseq</b>	NP_038570
<b>UniProt ID</b>	P04187
<b>Chromosome Location</b>	14
<b>Pathway</b>	Allograft rejection; Autoimmune thyroid disease; Graft-versus-host disease; Natural killer cell mediated cytotoxicity; Type I diabetes mellitus
<b>Function</b>	catalytic activity; hydrolase activity; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity

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on 1fq3.



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