

Recombinant Mouse Granzyme B

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

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	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.
Molecular Weight	The molecular weight of Recombinant Mouse Granzyme B is 34-37 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage	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.

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GENE INFORMATION

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

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