

## Recombinant Mouse Granzyme B

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

### SPECIFICATION

#### Product Overview

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                              |

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## GENE INFORMATION

|                            |                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <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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