

Recombinant Mouse Gzmb protein, His & GST-tagged

Cat. No. Gzmb-2635M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gzmb aa. (Thr16~Met244) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr16~Met244
Description	This gene encodes a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Mice lacking a functional copy of this gene exhibit impaired immune cell-mediated cytotoxicity.
Form	Freeze-dried powder
Molecular Mass	55kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>92%

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Characteristic	The isoelectric point is 8.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	Gzmb granzyme B [Mus musculus (house mouse)]
Official Symbol	Gzmb
Synonyms	Gzmb; granzyme B; GZB; CCP1; Ctla1; Ctla-1; AI553453; CCP-1/C11;
Gene ID	14939
mRNA Refseq	NM_013542.3

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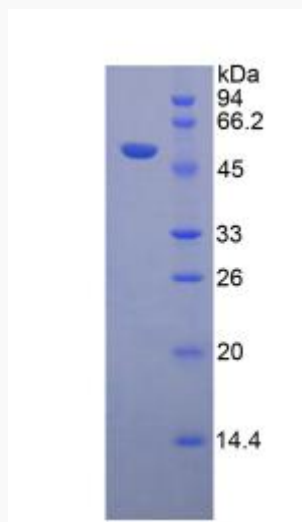
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Protein Refseq NP_038570.1

UniProt ID P04187

SDS-PAGE



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