

Product datasheet for **TP723146**

Gzmb (NM_013542) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse granzyme B (Gzmb).
Species:	Mouse
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	IIGGHEVKPH SRPYMALLSI KDQQPEAICG GFLIREDFVL TAAHCEGSII NVTLGAHNIK EQEKTQQVIP MVKCIHPDY NPKTFSNDIM LLKLSKAKR TRAVRPLNLP RRNVNVKPGD VCVVAGWGRM APMGKYSNTL QEVELTVQKD RECESYFKNR YNKTNQICAG DPKTKRASFR GDSGGPLVCK KVAAGIVSYG YKDGSPPRAF TKVSSFLSWI KKTMKSS
Tag:	Tag Free
Predicted MW:	28.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to cleave a synthetic chromogenic Granzyme B substrate. The expected specific activity, when using the Ac-IEPD-pNA substrate at 25C, is greater than 750 nM/min per ug of enzyme.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_038570
Locus ID:	14939
UniProt ID:	P04187 , Q3TZH4
RefSeq Size:	1418
Cytogenetics:	14 28.19 cM
RefSeq ORF:	744
Synonyms:	AI553453; CCP; CCP-1/C1; CCP-1/C11; CCP1; Ctl; Ctla; Ctla-1; Ctla1; GZB



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Summary:

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. [provided by RefSeq, Sep 2016]

Product images: