

Granzyme B Active Protein | GZMB active protein

Mouse Granzyme B

CATALOG # AAA79267	HOST Insect Cells	REACTIVITY Mouse
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PRODUCT SYNONYMS

Granzyme B; Mouse Granzyme B; Recombinant Murine Granzyme-B; GZMB active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Mouse
Purity/Purification	> 97% by SDS-PAGE and HPLC analysis
Form/Format	Lyophilized from PBS
Sequence	IIGGHEVKPH SRPYMALLSI KDQQPEAICG GFLIREDFVL TAAHCEGSII NVTLGAHNIK EQEKTQQVIP MVKCIPHPDY NPKTFSNDIM LLKLKSKAKR TRAVRPLNLP RRNVNVKPGD VCYVAGWGRM APMGKYSNTL QEVELTVQKD RECESYFKNR YNKTNQICAG DPKTKRASFR GDSGGPLVCK KVAAGIVSYG YKDGSPPRAF TKVSSFLSWI KKTMKSS
Sequence Length	247
Endotoxin Level	< 0.1 ng per ug of protein (<1EU/ug)
Length (aa)	227
Biological Activity	Determined by its ability to cleave a synthetic chromogenic Granzyme B substrate. The expected specific activity, when using the Ac-IEPD-pNA substrate at 250C, is greater than 750 nM/min per ug of enzyme.

ADDITIONAL INFORMATION

Related Product Information for GZMB active protein	Granzyme family serine proteases are stored in the granules of cytotoxic T lymphocytes and natural killer cells. Granzymes contain one S1 protease domain and are synthesized as preproteins. Granzymes are released toward pathogen infected or transformed target cells during cellular immune reactions. Target cell entry by granzymes is through perforin channels. Granzymes trigger apoptosis by caspase-dependent and -independent mechanisms. There are five granzymes (A, B, G, H and K) in human and many more in mouse and rat.
Product Categories/Family for GZMB active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	221625528
NCBI GeneID	3002
NCBI Accession #	NP_004122.2
NCBI GenBank Nucleotide #	NM_004131.4
UniProt Accession #	P10144 ; Q8N1D2 ; Q9UCC1
Molecular Weight	28.9 kDa
NCBI Official Full Name	granzyme B

NCBI Official Synonym Full Names	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)
NCBI Official Symbol	GZMB
NCBI Official Synonym Symbols	HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1
NCBI Protein Information	granzyme B; C11; CTLA-1; fragmentin 2; fragmentin-2; cathepsin G-like 1; human lymphocyte protein; T-cell serine protease 1-3E; cytotoxic serine protease B; cytotoxic T-lymphocyte proteinase 2
UniProt Protein Name	Granzyme B
UniProt Gene Name	GZMB
UniProt Synonym Gene Names	CGL1; CSPB; CTLA1; GRB; CTSG1; Lymphocyte protease; HLP
UniProt Entry Name	GRAB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/insect-cells-mouse-active-protein/granzyme-b/79267>