

Datasheet for ABIN7596296

GZMB Protein (AA 19-247) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	GZMB
Protein Characteristics:	AA 19-247
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GZMB protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	GEIIGGHEVK PHSRPMALL SIKDQQPEAI CGGFLIREDF VLTAAHCEGS IINVTLGAHN IKEQEKTTQQV IPMVKCIPHP DYNPKTFSND IMLLKLKSKA KRTRAVRPLN LPRRNVNVP GDVCYVAGWG RMAPMGKYSN TLQEVELTVQ KDRECESYFK NRYNKTNQIC AGDPKTKRAS FRGDSGGPLV CKKVAAGIVS YGYKDGSPPR AFTKVSSFLS WIKKTMKSS
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 9,000pmol/min/µg, and is defined as the amount of enzyme that cleave 1pmole of Boc-Ala-Ala-Asp-SBzl at 37C.

Target Details

Target:	GZMB
Alternative Name:	Granzyme B (GZMB Products)
Background:	Granzyme B, also known as Gzmb, is a member of the granzyme family of cell death-inducing serine proteases specially expressed in the granules of cytotoxic T lymphocytes (CTLs) and NK cells. It plays crucial role for target cell lysis in cell-mediated immune responses. This protein is linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. It cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis. Recombinant mouse Granzyme B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	26.3 kDa (235aa)
NCBI Accession:	NP_038570
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.