Datasheet for ABIN7195987

GZMB Protein (His tag)

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Overview

Quantity:	50 µg
Target:	GZMB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GZMB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Granzyme B/GZMB Protein (His Tag)
Sequence:	Met 1-Tyr 247
Characteristics:	A DNA sequence encoding the proform of human Granzyme B (NP_004122.1) (Met 1-Tyr 247) was expressed with a C-terminal polyhistidine tag.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GZMB
Alternative Name:	Granzyme B/GZMB (GZMB Products)
Background:	Background: Granzyme B, also known as GZMB, is the most prominent member of the granzyme family of cell death-inducing serine proteases expressed in the granules of cytotoxic T lymphocytes (CTLs) and NK cells. Granzyme B enters the target cells depending on another

Target Details

	membrane-binding granule protein, perforin, results in the activation of effector caspases and mitochondrial depolarization through caspase-dependent and -independent pathways, and consequently induces rapid cell apoptosis. Over 30 substrates of GZMB have been identified including the key substrate caspase-3, ICAD and Bid. GZMB is suggested to protect the host by lysing cells bearing on their surface 'nonself' antigens such as bacterial and viral infected-cells and tumor cells, and accordingly plays an essential role in immunosurveillance. Synonym: CCPI,CGL-1,CGL1,CSP-B,CSPB,CTLA1,CTSGL1,HLP,SECT
Molecular Weight:	27 kDa
NCBI Accession:	NP_004122
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.