

Active Recombinant Human GZMB Protein, His-tagged

Cat. No. GZMB-40H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GZMB Protein, fused to His-tag, was expressed in Baculovirus.
Species	Human
Source	Insect Cells
ProteinLength	19-247aa
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. Expression of this gene may be elevated in human patients with cardiac fibrosis.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT.
Bio-activity	Specific activity is > 7,000pmol/min/ug, and is defined as the amount of enzyme that cleave 1pmole of Boc-Ala-Ala-Asp-SBzl at 37C.
Molecular Mass	26.5 kDa (235aa)
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)

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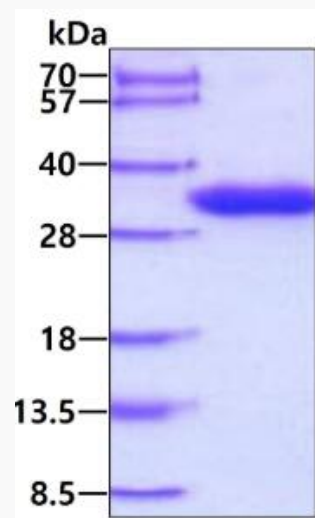
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Enzyme Activity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by absorbance at 280nm)
GENE INFORMATION	
Gene Name	GZMB granzyme B [Homo sapiens (human)]
Official Symbol	GZMB
Synonyms	C11; HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1
Gene ID	3002
mRNA Refseq	NM_004131.6
Protein Refseq	NP_004122.2
MIM	123910
UniProt ID	P10144

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SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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