Active Recombinant Human GZMB protein, His-tagged

Cat. No. GZMB-296H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GZMB protein(Gly19-Tyr247), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-247 aa
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave a peptide substrate, tButyloxycaronylAlaAlaAspThio Benzylester (BocAADSBzl), in the presence of 5,5'Dithiobis (2nitrobenzoic acid) (DTN B). The specific activity is >1500 pmol/min/μg. (The enzyme needs to be activated by Recombinant Mouse Active Cathepsin C)
Molecular Mass	26.57 kDa
Endotoxin	< 1 EU/μg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

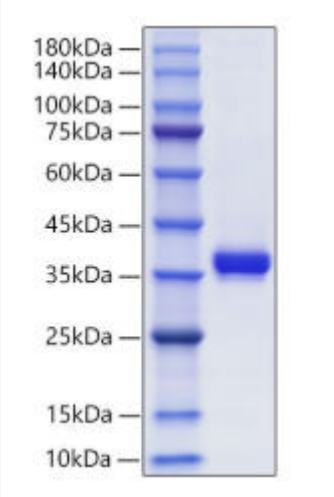
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Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name	GZMB granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) [Homo sapiens]
Official Symbol	GZMB
Synonyms	GZMB; granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1); CSPB, CTLA1; granzyme B; cathepsin G like 1; CCPI; CGL 1; CGL1; CSP B; CTSGL1; cytotoxic serine protease B; fragmentin 2; HLP; SECT; T cell serine protease 1 3E; C11; CTLA-1; fragmentin-2; cathepsin G-like 1; human lymphocyte protein; T-cell serine protease 1-3E; cytotoxic T-lymphocyte proteinase 2; CSPB; CGL-1; CSP-B; CTLA1;
Gene ID	3002
mRNA Refseq	NM_004131
Protein Refseq	NP_004122
MIM	123910
UniProt ID	P10144

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SDS-PAGE	

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