

Recombinant Human GZMB

Cat. No. GZMB-757H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human granzyme B was expressed in <i>E. coli</i> . MW = 25511 Da.
Species	Human
Source	<i>E. coli</i>
Protein Length	21-247 aa
Description	Granzyme B (GzmB) is a serine protease that is involved in cytotoxic T lymphocyte-induced (CTL) cell death. It is reported to participate in the perforation of target cells and initiation of proteolysis that leads apoptosis. Similar to caspases, granzyme B preferentially cleaves substrate proteins with aspartic acid in the P1 position.
Form	Liquid. In TBS, 50% glycerol.
Specific Activity	≥7.0 units/μg protein.
Unit Definition	One unit is defined as the amount of enzyme that will hydrolyze 1 nmol Ac-IEPD-pNA per min 25°C, pH 8.0.
Toxicity	Standard Handling (MSDS available upon request).
Storage	≤ -70°C. Avoid freeze/thaw. Following initial thaw, aliquot and freeze (-70°C).

GENE INFORMATION

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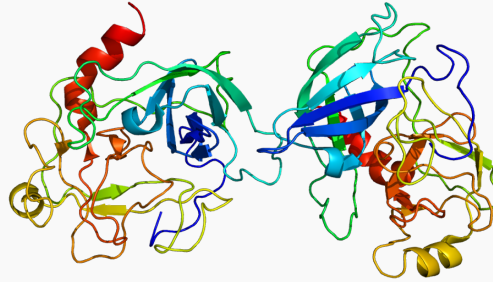
Gene Name	GZMB granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) [Homo sapiens]
Synonyms	GZMB; granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1); HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1; granzyme B; fragmentin 2; cathepsin G-like 1; T-cell serine protease 1-3E; cytotoxic serine protease B; EC 3.4.21.79; Granzyme-2; Cytotoxic T-lymphocyte proteinase 2; Human lymphocyte protein; Lymphocyte protease; C11; Fragmentin-2; GRB
Gene ID	3002
mRNA Refseq	NM_004131
Protein Refseq	NP_004122
MIM	123910
UniProt ID	P10144
Chromosome Location	14q11.2
Pathway	Allograft rejection; Autoimmune thyroid disease; Graft-versus-host disease; Natural killer cell mediated cytotoxicity; Type I diabetes mellitus
Function	peptidase activity; protein binding; serine-type endopeptidase activity

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