

Recombinant Full Length Human GZMB Protein, GST-tagged

Cat. No. GZMB-680HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GZMB(1 a.a. - 247 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	247 amino acids
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	54.1 kDa
AA Sequence	MQPILLLLAF LLLPRADAGE IIGGHEAKPH SRPYMAYLMI WDQKSLKRCG GFLIQDDFVL TAAHCWGSSI NVTLGAHNIK EQEPTQQFIP VKRPIHPAY NPKNFNSDIM LLQLERKAKR TRAVQPLRLP SNKAQVKPGQ TCSVAGWGQT APLGKHSHTL QEVKMTVQED RKCESDLRHY YDSTIELCVG DPEIKKTSFK

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GDSGGPLVCN KVAQGIVSYG RNNGMPPRAC TKVSSFVHWI KKTMKRH

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; CTSSL1; 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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