

RPPB1783

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## Product Information    Protein Information

**Product SKU:**

RPPB1783

**Accession:**

P10144

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

GZMB produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 235 amino acids (19-247a.a.) and having a molecular mass of 26.5kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). GZMB is expressed with an 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Granzyme B, T-Cell Serine Protease 1-3E, Cathepsin G-Like 1, Granzyme B (Granzyme 2, Cytotoxic T-Lymphocyte-Associated Serine Esterase 1, Cytotoxic T-Lymphocyte Proteinase 2, Cytotoxic Serine Protease B, Human Lymphocyte Protein, Fragmentin 2, EC 3.4.21.79, CTSL1, CTLA1, CSPB, CGL1, SECT, C11, HLP, Cytotoxic T-Lymphocyte-Associated Serine Esterase 1, Lymphocyte Protease, Fragmentin-2, Granzyme 2, Granzyme-2, EC 3.4.21, CTLA-1, CGL-1, CSP-B, CCPI, GRB.

**Formulation:**

GZMB protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) ,20% glycerol and 1mM DTT.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

GEIIGGHEAK PHSRPYMayL MIWDQKSLKR CGGFLIRDDF VLTAahCWGS SINVTLGahn IKEQPTQQF  
IPVKRPIPH AYNPKNFSND IMLLQLERKA KRTRAVQPLR LPSNKAQVKP GQTCsvagwg QTAPLGKHS  
TLQEVKMTVQ EDRKCESDLR HYYDSTIELC VGDPEIKKTS FKGDSGGPLV CNKVAQGIVS YGRNNGMPPR  
ACTKVSSFVH WIKKTMKRYH HHHHH

**Biological Activity:**

Specific activity is > 7,000 pmol/min/ug, and is defined as the amount of enzyme that cleave 1pmole of Boc-Ala-Ala-Asp-SBzl at 37C.