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**Product Data Sheet**


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Product Name: GZMB Human  
 Cat. No.: GP21763  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Granzyme B; C11; CTLA-1; Cathepsin G-like 1; CTSL1; Cytotoxic T-lymphocyte proteinase 2; Lymphocyte protease; Fragmentin-2; Granzyme-2; Human lymphocyte protein; HLP; SECT; T-cell serine protease 1-3E; CGL1; CSPB; CTLA1; GRB; GZMB; CCPI; CGL-1; CSP-B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MIIGGHEAKP HSRPYMAYLM IWDQKSLKRC GGFLIQDDFV LTAAHCWGSS INVTLGAHNI KEQEPTQQFI PVKRPIHPA YNPKNFSNDI MLLQLERKAK RTRAVQPLRL PSNKAQVKPG QTCSVAGWGQ TAPLGKHSHT LQEVKMTVQE DRKCESDLRH YYDSTIELCV GDPEIKKTSF KGDSGGPLVC NKVAQGIVSY GRNNGMPPRA CTKVSSFVHW IKKTMKRY.		
Formulation	GZMB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

**Introduction**

Granzyme-B (GZMB) is essential for target cell lysis in cell-mediated immune responses. GZMB is related to an activation cascade of caspases responsible for apoptosis execution. GZMB cuts caspase-3, -7, -9 and 10 to activate enzymes mediating apoptosis.

**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.

**Background**

GZMB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 248 amino acids (21-247 a.a.) and having a molecular mass of 27.8kDa. GZMB is fused to a 20 amino acid His-tag at N-terminus & purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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proprietary chromatographic techniques.

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