

## 32-6792: GZMB Human

**Alternative Name :** Granzyme B, C11, CTLA-1, Cathepsin G-like 1, CTSG1, 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.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

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 proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** GZMB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

**Storage condition :** 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 :** MGSSHHHHHH SSGLVPRGSH MIIGGHEAKP HSRPYMAYLM IWDQKSLKRC GGFLIQDDFV  
LTAAHCWGSS INVTLGAHNI KEQEPTQQFI PVKRPPIHPA YNPKNFSNDI MLLQLERKAK RTRAVQPLRL  
PSNKAQVKPG QTCSVAGWGQ TAPLGKHSHT LQEVKMTVQE DRKCESDLRH YYDSTIELCV GDPEIKKTSF  
KGDSSGGLVC NKVAQGIVSY GRNNGMPPRA CTKVSSFVHW IKKTMKRY.