

Granzyme-B Human Recombinant

Item Number	rAP-1147
Synonyms	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	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.
Uniprot Accession Number	P10144
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MIIGGHEAKP HSRPYMAYLM IWDQKSLKRC GGFLIQDDFV LTAAHCWGSS INVTLGAHNI KEQEPTQQFI PVKRPIPHPA YNPKNFSNDI MLLQLERKAK RTRAVQPLRL PSNKAQVKPG QTCSVAGWGQ TAPLGKHSHT LQEVKMTVQE DRKCESDLRH YYDSTIELCV GDPEIK- KTSF KGDSGGPLVC NKVAQGIVSY GRNNGMPPRA CTKVSSFVHW IKKTMKRY.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	GZMB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**