

## 32-6796: GZMH Human

**Alternative Name :** Granzyme H (Cathepsin G-Like 2, Protein H-CCPX), CTSG2, Cytotoxic T-Lymphocyte Proteinase, CCP-X, CSP-C, Cytotoxic T-Lymphocyte-Associated Serine Esterase 1, Cytotoxin Serine Protease-C, Cytotoxic Serine Protease C, Cathepsin G-Like 2, EC 3.4.21.79, EC 3.4.21, Granzyme H, EC 3.4.21, CGL-2, CTLA1, CGL2, GZMH.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Granzyme H also known as GZMH belongs to the peptidase S1 family. GZMH is an essential part for HBV eradication. The HBx protein, which is required for the replication of HBV, is cleaved at Met(79) by GZMH. Furthermore, GZMH inhibitor can abolish GZMH- as well as lymphokine-activated killer cell-mediated HBx degradation and HBV clearance. A HBx-deficient HBV is resistant to GzmH- in addition to lymphokine-activated killer cell-mediated viral clearance.

GZMH Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 248 amino acids (20-246 a.a) and having a molecular mass of 27.5kDa. GZMH is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** GZMH protein solution (0.25mg/ml) containing 20mM Tris-HCl (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 MEIIGGHEAK PHSRPYMAFV QFLQEKSRRK CGGILVRKDF  
VLTAAHCQGS SINVTLGAAH IKEQERTQQF IPVKRPIPH AYNPKNFSND IMLLQLERKA  
KWTTAVRPLR LPSSKAQVKP GQLCSVAGWG YVSMSTLATT LQEVLLTVQK DCQCERLFHG  
NYSRATEICV GDPKKTQTGF KGDSGGPLVC KDVAQGILSY GNKKGTPPGV YIKVSHFLPW  
IKRTMKRL