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**Product Data Sheet**


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Product Name: GZMH Human  
 Cat. No.: GP21767  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEIIGGHEAK PHSRPYMAFV QFLQEKSRRK CGGILVRKDF VLTAAHCOGS SINVTLGAHN IKEQERTQQF IPVKRPIHP AYNPKNFSND IMLLQLERKA KWTTAVRPLR LPSSKAQVKP GQLCSVAGWG YVSMSTLATT LQEVLLTVQK DCQCERLFHG NYSRATEICV GDPKKTQTGF KGDSGGPLVC KDVAQGILSY GNKKGTPPGV YIKVSHFLPW IKRTMKRL		
Formulation	GZMH protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

**Introduction**

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.

**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.

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

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

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### Background

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.

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