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**Product Data Sheet**


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Product Name: GZMH Human, sf9

Cat. No.: GP21768

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Granzyme H; Granzyme H (Cathepsin G-Like 2; ProteinH-CCPX); Cytotoxic T-Lymphocyte Proteinase; Cathepsin G-Like 2; CTSL2; CCP-X; CSP-C; Cytotoxic T-Lymphocyte-Associated Serine Esterase 1; Cathepsin G-Like 2; Protein H-CCPX; Cytotoxin Serine Protease-C; Cytotoxic Serine Protease C; Protein H-CCPX; EC 3.4.21.79; EC 3.4.21; EC 3.4.21; CTLA1; CGL-2 ; CGL2.

Amino Acid Sequence EEIIGGHEAK PHSRPYMAFV QFLQEKSRRK CGGILVRKDF  
 VLTAAHQCQGSSINVTLGahn ikeqertqqf ipvkrpipHP AYNPKNFSND  
 LQEVLLTVQK DCQCERLFHG NYSRATEICV GDPKKTQTGF  
 KGDSGGPLVCKDVAQGILSY GNKKGTTPGV YIKVSHFLPW IKRTMKRLHH  
 HHHH.

Formulation GZMH protein solution (0.25mg/ml) contains PhosphateBuffered Saline (pH 7.4) 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

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

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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

GZMH produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 234 amino acids (19-246 a.a.) and having a molecular mass of 26.2kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). GZMH is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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