

32-6797: GZMH Human, sf9

Alternative Name : Granzyme H, Granzyme H (Cathepsin G-Like 2, Protein H-CCPX), Cytotoxic T-Lymphocyte Proteinase, Cathepsin G-Like 2, CTSG2, CCP-X, CSP-C, Cytotoxic T-Lymphocyte-Associated Serine Esterase 1, Cathepsin G-Like 2, Protein H-CCPX, Cytotoxic 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.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless 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 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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : GZMH protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) 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 : EEIIGGHEAK PHSRPYMAFV QFLQEKSRKR CGGILVRKDF VLTAHCQGS SINVTLAGAHN IKEQERTQQF IPVKRPIPH AYNPKNFSND IMLQLERKA KWTTAVRPLR LPSSKAQVKP GQLCSVAGWG YVSMSTLATT LQEVLLTVQK DCQCERLFHG NYSRATEICV GDPKKTQTGF KGDSGGPLVC KDVAQGILSY GNKKGTPPGV YIKVSHFLPW IKRTMKRLHH HHHH.