

**GZMH, 19-246aa, Human, His tag, Baculovirus**

**Cat.NO.: TP02382**

3th Edition

**Synonyms:** Granzyme H isoform 1, GZMH, CCP-X, CGL-2, CSP-C, CTLA1, CTSG2

**Description:** GZMH, as known as granzyme H isoform 1, is a member of the granzyme family of serine proteases found specifically in the granules of cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. The more abundant expression of this protein than granzyme B in NK cells suggests that granzyme H may complement the pro-apoptotic function of granzyme B in this cell type. Recombinant human GZMH, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 26.2kDa (234aa); 28-40kDa (SDS-PAGE under reducing conditions)

**Sequences:**

EEIIGGHEAKPHSRPYMAFVQFLQEKSRRKRCGGILVRKDFVLTAHCQGSSINVTLGAHNIKEQERTQQFIPVKRPIP  
HPAYNPKNFNSNDIMLLQLERKAKWTTAVRPLRLPSSKAQVKPGQLCSVAGWGYVSMSTLATTLLQEVLLTVQKDCQ  
CERLFHGNYSRATEICVGDPKKTQTGFKGDSGGPLVCKDVAQGILSYGNKKGTTPPGVYIKVSHFLPWIKRTMKRLH  
HHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.