

Recombinant human Granzyme H protein

Catalog Number: ATGP3040

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-246aa

UniProt No.

P20718

NCBI Accession No.

NP_219491

Alternative Names

Granzyme H isoform 1, CCP-X, CGL-2, CSP-C, CTLA1, CTSLG2

PRODUCT SPECIFICATION

Molecular Weight

27.5 kDa (248aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

GZMH also known as Granzyme H is essential for HBV eradication. The HBx protein (HBx), required for the replication of HBV, is cleaved at Met (79) by GZMH. GZMH inhibitor can abolish GZMH- and lymphokine-activated killer cell-mediated HBx degradation and HBV clearance. An HBx-deficient HBV is resistant to GZMH- and lymphokine-activated killer cell-mediated viral clearance. Recombinant human GZMH, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

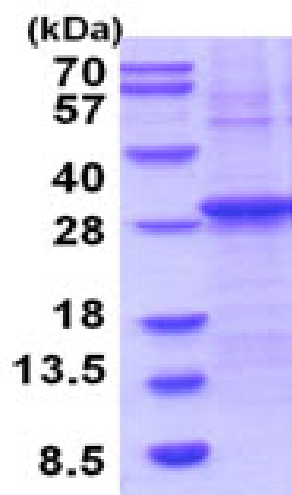
MGSSHHHHHH SSGLVPRGSH MEIIGGHEAK PHSRPYMAFV QFLQEKSRRK CGGILVRKDF VLTAHCQGS SINVTLGAHN
IKEQERTQQF IPVKRPIPHP AYNPKNFSND IMLLQERKA KWTTAVRPLR LPSSKAQVKP GQLCSVAGWG YVSMSTLATT
LQEVLLTVQK DCQCERLFHG NYSRATEICV GDPKKTQTGF KGDSGGPLVC KDVAQGILSY GNKKGTTPGV YIKVSHFLPW
IKRTMKRL

General References

Ewen CL., et al. (2013) Mol. Immunol. 54 (3-4), 309-318
Wang L., et al. (2012) J. Immunol. 190 (3), 1319-1330

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)