Recombinant human Granzyme H protein

Catalog Number: ATGP3370

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
19-246aa

UniProt No.
P20718

NCBI Accession No.
NP_219491

Alternative Names
Granzyme H isoform 1, GZMH, CCP-X, CGL-2, CSP-C, CTLA1, CTSGL2

PRODUCT SPECIFICATION

Molecular Weight
26.2 kDa (234aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

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, as known as granzyme H isoform 1, is a member of the granzyme family of serine proteases found specifically in the granules of cytotoxic Tlymphocytes (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.

Amino acid Sequence

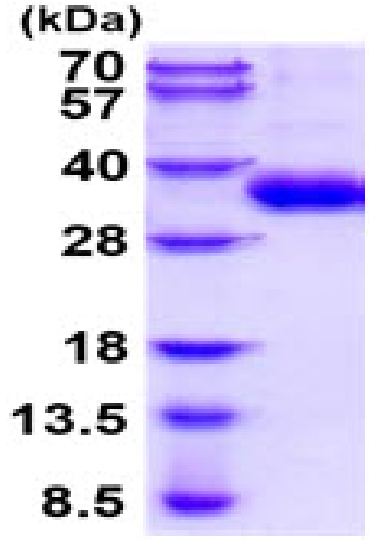
EEIIGGHEAK PHSRPYMAFV QFLQEKSRKR CGGILVRKDF VLTAAHCQGS SINVTLGAHN IKEQERTQQF IPVKRPIPHP AYNPKNFSND IMLLQLERKA KWTTAVRPLR LPSSKAQVKP GQLCSVAGWG YVSMSTLATT LQEVLLTVQK DCQCERLFHG NYSRATEICV GDPKKTQTGF KGDSGGPLVC KDVAQGILSY GNKKGTPPGV YIKVSHFLPW IKRTMKRLHH HHHH

General References

Ronnberg E., et al. (2014) Int. Arch. Allergy Immunol. 165:68-74.
Tahbaz-Lahafi B., et al. (2014) Iran J Cancer Prev 7:48-52.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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