

Recombinant Human GZMH protein, His & T7-tagged

Cat. No. GZMH-1856H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GZMH aa. (Glu19~Leu246 (Accession # P20718)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu19~Leu246
Description	This gene encodes a member of the peptidase S1 family of serine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a chymotrypsin-like protease. This protein is reported to be constitutively expressed in the NK (natural killer) cells of the immune system and may play a role in the cytotoxic arm of the innate immune response by inducing target cell death and by directly cleaving substrates in pathogen-infected cells. This gene is present in a gene cluster with another member of the granzyme subfamily on chromosome 14.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.9

GENE INFORMATION

Gene Name	GZMH granzyme H [Homo sapiens (human)]
Official Symbol	GZMH
Synonyms	GZMH; granzyme H; CCP-X; CGL-2; CSP-C; CTLA1; CTSL2; cathepsin G-like 2, protein h-CCPX; cytotoxic T-lymphocyte proteinase; cytotoxic T-lymphocyte-associated serine esterase 1; cytotoxin serine protease-C
Gene ID	2999
mRNA Refseq	NM_001270781.1
Protein Refseq	NP_001257710.1

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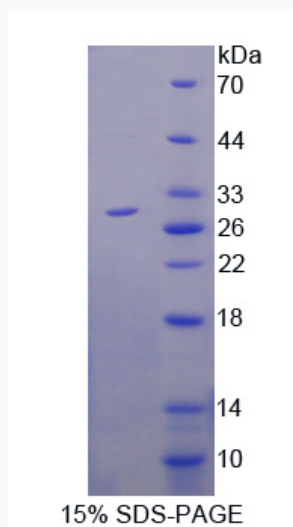
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UniProt ID

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SDS-PAGE

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