

Recombinant Human GZMK, His-tagged

Cat. No. GZMK-2294H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GZMK protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	261aa
Description	GZMK is a member of a group of related serine proteases from the cytoplasmic granules of cytotoxic lymphocytes. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface "nonself" antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here lacks consensus sequences for N-glycosylation present in other granzymes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	28.2 kDa
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSIIIGGKEV SPHSRPFMAS IQYGGHHVCG GVLIDPQWVL TAAHCQYRFT KGQSPTVVLG AHSLSKNEASKQTLEIKKFI PFSRVTS DPQ SNDIMLVKLQ TAAKLNKHVK MLHIRSKTSL RSGTKCKVTG WGATDPDSL R PSDTLREVTV TVLSRKL CNS QSY YNGDPFI TKDMVCAGDA

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KGQKDSCKGD SGGPLICKGV FHAIVSGGHE CGVATKPGIY TLLTKKYQTW
IKSNLVPPHT N

Purity >85% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [GZMK granzyme K \(granzyme 3; tryptase II\) \[Homo sapiens \]](#)

Official Symbol GZMK

Synonyms GZMK; granzyme K (granzyme 3; tryptase II); granzyme K (serine protease, granzyme 3; tryptase II); granzyme K; PRSS; TRYP2; NK-Tryp-2; granzyme 3; granzyme-3; tryptase II; fragmentin-3; NK-tryptase-2; granzyme K (serine protease, granzyme 3; tryptase II);

Gene ID [3003](#)

mRNA Refseq [NM_002104](#)

Protein Refseq [NP_002095](#)

MIM [600784](#)

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UniProt ID	P49863
Chromosome Location	5q11.2
Function	peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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