Recombinant Human GZMK protein, His-tagged

Cat. No. GZMK-140H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GZMK(27-264aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	27-264 a.a.
Description	GZMK, as known as Granzyme K, 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 Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT.
Molecular Mass	26.9kDa (247aa) 28-40kDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPIIGGKEV SPHSRPFMAS IQYGGHHVCG GVLIDPQWVL TAAHCQYRFT KGQSPTVVLG AHSLSKNEAS KQTLEIKKFI PFSRVTSDPQ SNDIMLVKLQ TAAKLNKHVK MLHIRSKTSL RSGTKCKVTG WGATDPDSLR PSDTLREVTV

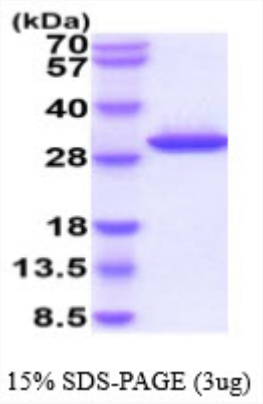
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	TVLSRKLCNS QSYYNGDPFI TKDMVCAGDA KGQKDSCKGD SGGPLICKGV FHAIVSGGHE CGVATKPGIY TLLTKKYQTW IKSNLVPPHT NHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

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

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Protein Refseq	NP_002095
MIM	600784
UniProt ID	P49863
Chromosome Location	5q11.2
Function	peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;
	 15% SDS-PAGE (3ug)

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