
Product Data Sheet

Product Name: GZMK Human, Sf9
 Cat. No.: GP21766
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GZMK; TRYP2; Granzyme-K; Granzyme K; Fragmentin-3; Granzyme-3; NK-tryptase-2; NK-Tryp-2.		
Amino Acid Sequence	ADPIIGGKEV SPHSRPFMAS IQYGGHHVCG GVLIDPQWVL TAAHCQYRFT KGQSPTVVLG AHSLSKNEAS KQTLEIKKFI PFSRVTSDPQ SNDIMLVKLQ TAAKLNKHVK MLHIRSKTSL RSGTKCKVTG WGATDPDSLR PSDTLREVTV TVLSRKLCNS QSYINGDPFI TKDMVCAGDA KGQKDSCKGD SGGPLICKGV FHAIVSGGHE CGVATKPGIY TLLTKKYQTW IKS NLVPPHT NHHHHHHH.		
Formulation	GZMK protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT.		

Introduction

GZMK is a part of a group of related serine proteases from the cytoplasmic granules of cytotoxic lymphocytes. Cytolytic T lymphocytes and natural killer cells have the outstanding ability to bind, recognize and lyse specific target cells. They defend their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GZMK Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 247 amino acids (27-264) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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26.9kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). GZMK is fused to a 6 amino acid IgG His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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