
Product Data Sheet

Product Name: GZMK Human
 Cat. No.: GP21765
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Granzyme K; Fragmentin-3; Granzyme-3; NK-tryptase-2; NK-Tryp-2; GZMK; TRYP2; Granzyme-K.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSIIIGGKEV SPHSRPFMAS IQYGGHHVCG GVLIDPQWVL TAAHCQYRFT KGQSPTVVLG AHSLKNEAS KQTLEIKKFI PFSRVTS DPQ SNDIMLVKLQ TAAKLNKHKV MLHIRSKTSL RSGTKCKVTG WGATDPDSL R PSDTLREVTV TVLSRKL CNS QSYNGDPFI TKDMVCAGDA KGQKDSCKGD SGGPLICKGV FHAIVSGGHE CGVATKPGIY TLLTKKYQTW IKS NLVPPHT N.		
Formulation	GZMK protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

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 E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 261 amino acids (27-264 a.a.) and having a molecular mass of 28.2kDa. GZMK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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