# NKMAXBIO We support you, we believe in your research

# Recombinant human Granzyme K protein

Catalog Number: ATGP2294

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

27-264aa

#### UniProt No.

P49863

#### **NCBI Accession No.**

NP 002095.1

#### **Alternative Names**

Granzyme K, GZMK, TRYP2, GZMK, PRSS, tryptase II, Fragmentin-3, Granzyme-3, NK-tryptase-2, NK-Tryp-2

### PRODUCT SPECIFICATION

#### **Molecular Weight**

28.2 kDa (261aa)

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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. Recombinant human GZMK protein, fused to His-tag at N-terminus, was expressed in E. coli.



# NKMAXBio We support you, we believe in your research

# Recombinant human Granzyme K protein

Catalog Number: ATGP2294

## **Amino acid Sequence**

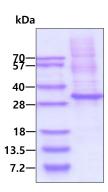
<MGSSHHHHHH SSGLVPRGSH MGS>IIGGKEV SPHSRPFMAS IQYGGHHVCG GVLIDPQWVL TAAHCQYRFT KGQSPTVVLG AHSLSKNEAS KQTLEIKKFI PFSRVTSDPQ SNDIMLVKLQ TAAKLNKHVK MLHIRSKTSL RSGTKCKVTG WGATDPDSLR PSDTLREVTV TVLSRKLCNS QSYYNGDPFI TKDMVCAGDA KGQKDSCKGD SGGPLICKGV FHAIVSGGHE CGVATKPGIY TLLTKKYQTW IKSNLVPPHT N

#### **General References**

Rucevic M, Fast LD, et al. (2007). Shock. 27(5):488-93. Zhao T, Zhang H, et al. (2007). J Biol Chem. 282(16):12104-11.

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

