

# Recombinant Granzyme K (GZMK) Instruction Manual

**SIPB939Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted, Cytoplasm
<b>Predicted Molecular Mass</b>	27.1kDa
<b>Accurate Molecular Mass</b>	30kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ile27~Asn264 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	9.5
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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                I I G G  K E V S P H S R P F  M A S I Q Y G G H H  
V C G G V L I D P Q  W V L T A A H C Q Y  R F T K G Q S P T V  V L G A H S L S K N  E A S K Q T L E I K  
K F I P F S R V T S  D P Q S N D I M L V  K L Q T A A K L N K  H V K M L H I R S K  T S L R S G T K C K  
V T G W G A T D P D  S L R P S D T L R E  V T V T V L S R K L  C N S Q S Y Y N G D  P F I T K D M V C A  
G D A K G Q K D S C  K G D S G G P L I C  K G V F H A I V S G  G H E C G V A T K P  G I Y T L L T K K Y  
Q T W I K S N L V P  P H T N
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## USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## **STABILITY**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

### **Image**

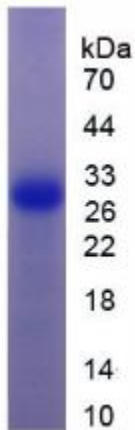


Figure. SDS-PAGE

### **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.