

# Recombinant Granzyme B (GZMB)

## Instruction Manual

**SIPA823Hu01**

**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>	Cytoplasm
<b>Predicted Molecular Mass</b>	29.4kDa
<b>Accurate Molecular Mass</b>	31kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ile21~Tyr247 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	9.7
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

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

IIIGGHEAKPRSRPETHAYLNIIVDQKSLKRCGGFLIQDDFVLTAAHCWVSSINVTLGAHWIKQEPTQQFIPVRRPIPEPATNPKNFSNDINLLQLERKAKRTRAV

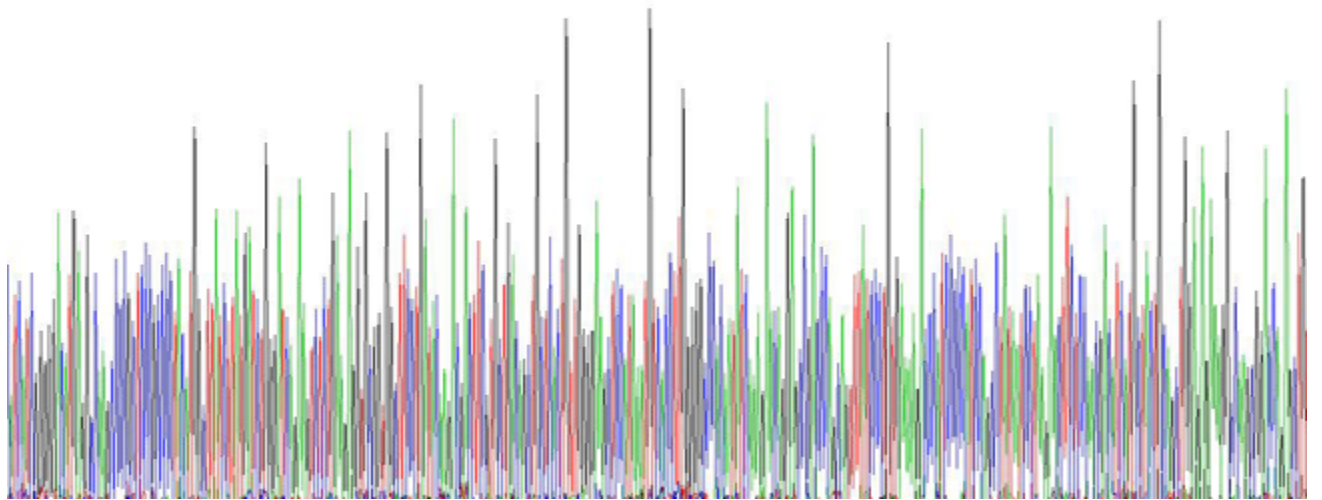


Figure. SDS-PAGE

## **[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.