

# Recombinant Gasdermin D (GSDMD) Instruction Manual

## SIPE588Mu01

### Mus musculus (Mouse)

<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>	Membrane, Cytoplasm, Extracellular matrix
<b>Predicted Molecular Mass</b>	39.5KDa
<b>Accurate Molecular Mass</b>	40kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Gln325 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	6.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
MPSAFEKVVK NVIKEVSGSR GDLIPVDSL R NSTSFRPYCL LNRKFSSSRF  
WKPRYSCVNL SIKDILEPSA PEPEPECFGS FKVSDVVDGN IQGRVMLSGM  
GEGKISGGAA VSDSSASMN VCILRV TQKT WETMQHERHL QQPENKILQQ  
LRSRGDDL FV VTEVLQTK EE VQITEVHSQE GSGQFTLPGA LCLKGEGKGH  
QSRKKMVTIP AGSILAFRVA QLLIGSKWDI LLVSDEKQRT FEPSSGDRKA  
VGQRHHGLNV LAALCSIGKQ LSLLSDGIDE EELIEAADFQ GLYAEVKACS  
SELESLEMEL RQQILVNIGK ILQDQ
```

### USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

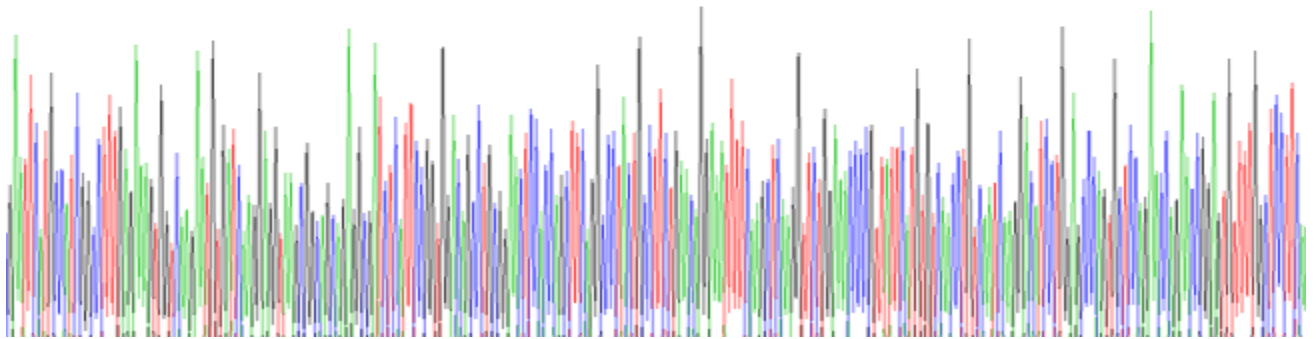


Figure. SDS-PAGE

## **[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.