

# Recombinant Glutamate Receptor, Metabotropic 1 (GRM1) Instruction Manual

## SIPE189Hu01

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1 $\mu$ g (determined by the LAL method)
<b>Subcellular Location</b>	Membrane
<b>Predicted Molecular Mass</b>	52.3kDa
<b>Accurate Molecular Mass</b>	52kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ser165~Glu592 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>	> 90%
<b>Isoelectric Point</b>	5.4
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
SSVAIQ VQALLQLFDI PQIAYSATSI DLSDKTLYKY  
FLRVVPSDTL QARAMLDIVK RYNWTVVSAV HTEGNYGESG MDAFKELAAQ  
EGLCIAHSDK IYSNAGEKSF DRLLRKLRLR LPKARVVVCF CEGMTVRGLL  
SAMRRLGVVG EFSLIGSDGW ADRDEVIEGY EVEANGGITI KLSPEVRSF  
DDYFLKLRDL TNTRNPWFPE FWQHRFQCRP PGHLLNPNF KRICTGNESL  
EENYVQDSKM GFVINAIYAM AHGLQNMHHA LCPGHVGLCD AMKPIDGSKL  
LDFLIKSSFI GVSGEVWFDF EKGDAPEGRYD IMNLQYTEAN RYDYVHVGTW  
HEGVLNIDDY KIQMNKSGVV RSVCSPECLK GQIKVIRKGE VSCCWICTAC  
KENEYVQDEF TCKACDLGWW PNADLTGCEP IPVRYLEWSN IE
```

## 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

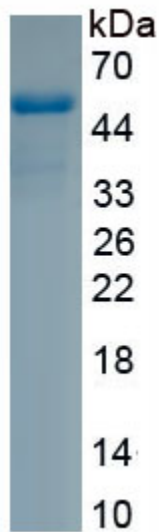


Figure. SDS-PAGE

## **[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.