

**RPE821Hu01 100µg**  
**Recombinant Glutamate Receptor, Metabotropic 1 (GRM1)**  
**Organism Species: *Homo sapiens (Human)***  
***Instruction manual***

FOR RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

---

13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Ser165~Glu592

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

**Original Concentration:** 650µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 5.4

**Predicted Molecular Mass:** 52.3kDa

**Accurate Molecular Mass:** 52kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

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

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

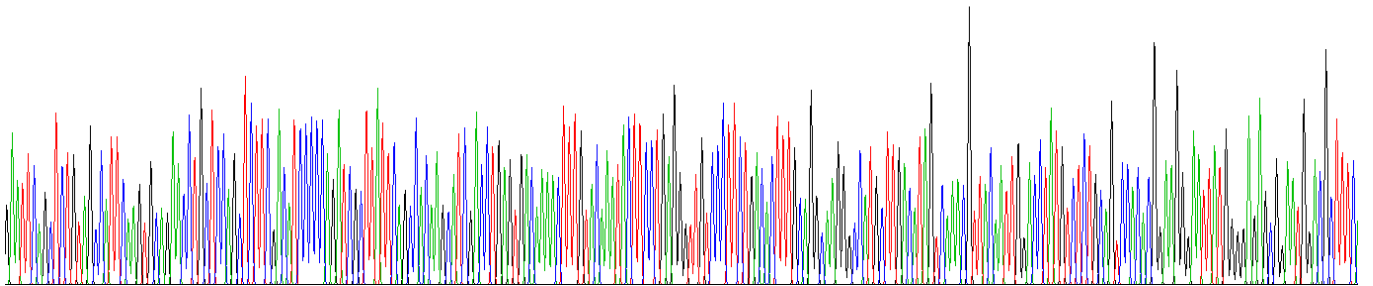
**[ SEQUENCE ]**

```

SSVAIQ VQNLLQLFDI PQIAYSATSI DLSDKTLYKY
FLRVVPSDTL QARAMLDIVK RYNWTVVSAV HTEGNYGESG MDAFKELAAQ
EGLCIAHSDK IYSNAGEKSF DRLLRKLRLR LPKARVVVCF CEGMTVRGLL
SAMRRLGVVG EFSLIGSDGW ADRDEVIEGY EVEANGGITI KLSPEVRSF
DDYFLKRLD TNTRNPWFPE FWQHRFQRL PGHLLNPNF KRICTGNESL
EENYVQDSKM GFVINAIYAM AHGLQNMHHA LCPGHVGLCD AMKPIDGSKL
LDFLIKSSFI GVSGEVWFD EKGDAPEGRYD IMNLQYTEAN RYDYVHVGTW
HEGVLNIDY KIQMNKSGVV RSVCEPCLK GQIKVIRKGE VSCCWICTAC
KENEYVQDEF TCKACDLGWW PNADLTGCEP IPVRYLEWSN IE
    
```

**[ IDENTIFICATION ]**

ATTCCTCTGAGCCATTAGTCTGAGCTCTCTGCTTGGATCCCGCATGCTATTGACCGAGCATGCTGCTGCGAACTTGTACAAATCTTCTGAGGTTGCTCTGCTTGGAGCGCCCATGCTGCTATGCTAACTTACATTGACCTATGCTCTGAGCCACCGAGCGGATATGCGGAGCGATGCGCTTCT



**Figure . Gene Sequencing (extract)**

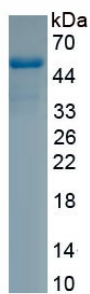


Figure. SDS-PAGE

**[ 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.