

# Recombinant Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2A (GRIN2A) Instruction Manual

## SIPE466Ra01

### *Rattus norvegicus* (Rat)

<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
<b>Predicted Molecular Mass</b>	62.5kDa
<b>Accurate Molecular Mass</b>	63kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Pro31~Ala555 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 80%
<b>Isoelectric Point</b>	5.2
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

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PPALNIAVLL GHSHDVTERE
LRNLWGPEQA TGLPLDVNVV ALLMNRTDPK SLITHVCDLM SGARIHGLVF
GDDTDQEAVA QMLDFISSQT FIPILGIHGG ASMIMADKDP TSTFFQFGAS
IQQQATVMLK IMQDYDWHVF SLVTTIFPGY RDFISFIKTT VDNSFVGWDM
QNVITLDTSF EDAKTQVQLK KIHSSVILLY CSKDEAVLIL SEARSLGLTG
YDFFWIVPSL VSGNTEIPK EFPSGLISVS YDDWDYSLEA RVRDGLGILT
TAASSMLEKF SYIPEAKASC YGQAEKPETP LHTLHQFMVN VTWDGKDLSF
TEEGYQVHPR LVVIVLNKDR EWEKVGKVEN QTLSLRHAVW PRYKSFSDCE
PDDNHLSIVT LEEAPFVIVE DIDPLTETCV RNTVPCRKFV KINNSTNEGM
NVKKCKGFC IDILKKLSRT VKFTYDLYLV TNGKHGKKVN NVWNGMIGEV
VYQRAVMAVG SLTINEERSE VVDFSVPFVE TGISVMVSRS NGTVSPSAFL
EPFSA
```

### 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.

