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

SIPE466Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	62.5kDa
Accurate Molecular Mass	63kDa(Analysis of differences refer to the manual)
Residues & Tags	Thr31~Ala555 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	5.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

TPALNIAVLL GHSHDVTERE
LRNLWGPEQA TGLPLDVNVV ALLMNRTDPK SLITHVCDLM SGARIHGLVF
GDDTDQEAVA QMLDFISSQT FIPILGIHGG ASMIMADKDP TSTFFQFGAS
IQQQATVMLK IMQDYDWHVF SLVTTIFPGY RDFISFIKTT VDNSFVGWDM
QNVITLDTSF EDAKTQVQLK KIHSSVILLY CSKDEAVLIL SEARSLGLTG
YDFFWIVPSL VSGNTELIPK EFPSGLISVS YDDWDYSLEA RVRDGLGILT
TAASSMLEKF SYIPEAKASC YGQTEKPETP LHTLHQFMVN VTWDGKDLSF
TEEGYQVHPR LVVIVLNKDR EWEKVGKWEN QTLSLRHAVW PRYKSFSDCE
PDDNHLSIVT LEEAPFVIVE DIDPLTETCV RNTVPCRKFV KINNSTNEGM
NVKKCCKGFC 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

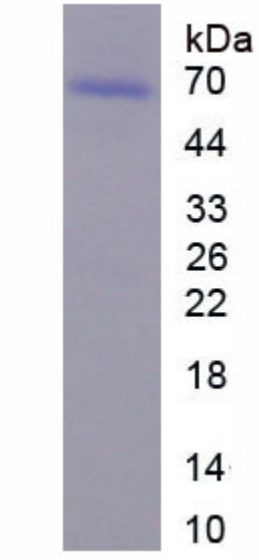

Figure. SDS-PAGE

[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.