

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

SIPE466Hu01

Homo sapiens (Human)

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	Pro31~Ala555 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	5.3
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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PPALNIAVML GSHDVTRE  
LRTLWGPEQA AGLPLDVNVV ALLMNRTDPK SLITHVCDLM SGARIHGLVF  
GDDTDQEAVA QMLDFISSHT FVPILGIHGG ASMIMADKDP TSTFFQFGAS  
IQQQATVMLK IMQDYDWHVF SLVTTIFPGY REFISFVKTT VDNSFVGWDM  
QNVITLDTSF EDAKTQVQLK KIHSSVILLY CSKDEAVLIL SEARSLGLTG  
YDFFWIVPSL VSGNTELIK EFPSGLISVS YDDWDYSLEA RVRDGIGILT  
TAASSMLEKF SYIPEAKASC YGQMERPEVP MHTLHPFMVN VTWDGKDLSF  
TEEGYQVHPR LVVIVLNKDR EWEKVGKVEN HTLSLRHAVW PRYKSFSDCE  
PDDNHLSIVT LEEAPFVIVE DIDPLTETCV RNTVPCRKFV KINNSTNEGM  
NVKKCKKGFC IDILKKLSRT VKFTYDLYLV TNGKHGKKVN NVWNGMIGEY  
VYQRAVMAVG SLTINEERSE VVDFSVPFVE TGISVMVSRS NGTVSPSAFL  
EPFSA
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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

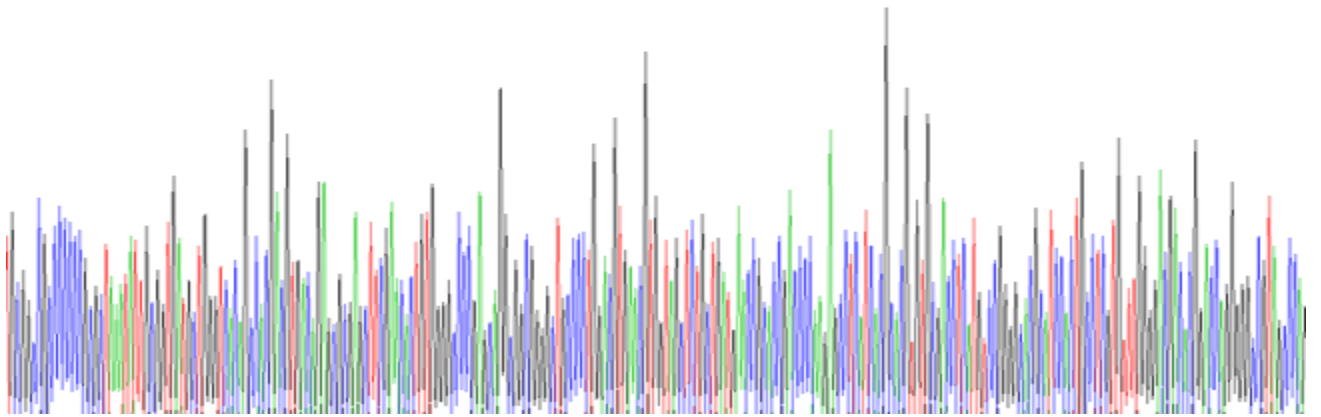


Figure. SDS-PAGE

[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.