

RPE806Hu01 50µg

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

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: Pro31~Ala555

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 80%

Traits: Freeze-dried powder

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

Original Concentration: 50µg/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: 5.3

Predicted Molecular Mass: 62.5kDa

Accurate Molecular Mass: 63kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.2 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]

LRTLWGPEQA	AGLPLDVNVV	ALLMNRTDPK	PPALNIAVML	GSHSDVTERE
GDDTDQEAVA	QMLDFISSHT	FVPILGIHGG	SLITHVCDLM	SGARIHGLVF
IQQQATVMLK	IMQDYDWHVF	SLVTTIFPGY	ASMIMADKDP	TSTFFQFGAS
QNVITLDTSF	EDAKTQVQLK	KIHSSVILLY	REFISFVKTT	VDNSFVGWDM
YDFFWIVPSL	VSGNTELIPK	EFPSGLISVS	YDDWDYSLEA	RVRDGIGILT
TAASSMLEKF	SYIPEAKASC	YGQMERPEVP	MHTLHPFMVN	VTWDGKDLSF
TEEGYQVHPR	LVVIVLNKDR	EWKVGKWN	HTLSLRHAVW	PRYKSFSDCE
PDDNHLSTVT	LEEAPFVIVE	DIDPLTETCV	RNTVPCRKFV	KINNSTNEGM
NVKKCKKGFC	IDILKKLSRT	VKFTYDLYLV	TNGKHGKKVN	NVWNGMIGEV
VYQRAVMAVG	SLTINEERSE	VVDFSVPFVE	TGISVMVSRS	NGTVSPSAFL
EPFSA				

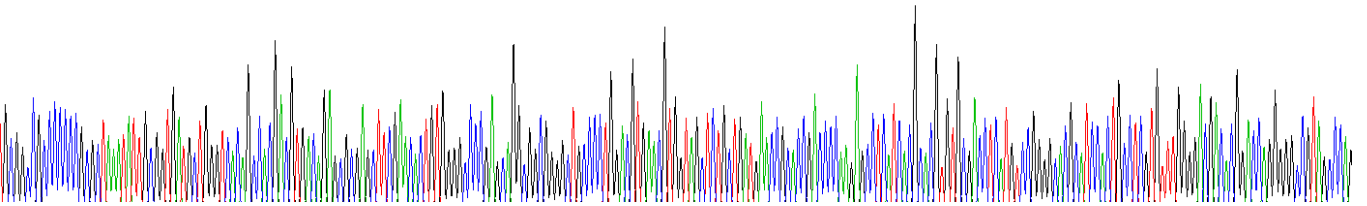
[illegible]

Figure . Gene Sequencing (extract)

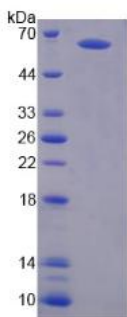


Figure. SDS-PAGE

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.