

RPE801Ra01 10µg

Recombinant Glutamate Receptor, Ionotropic, AMPA 1 (GRIA1)

Organism Species: *Rattus norvegicus* (Rat)

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: Gln37~Gly375

Tags: N-terminal His and GST Tag

Subcellular Location: Membrane, Golgi apparatus, Endosome

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 5%Trehalose.

Original Concentration: 400µg/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: 7.9

Predicted Molecular Mass: 70.0kDa

Accurate Molecular Mass: 73kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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]

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                                QEHA AFRFALSQLT
EPPKLLPQID IVNISDSFEM TYRFCSQFSK GUYAIFGFYE RRTVNMLTSF
CGALHVCFIT PSFPVDTSNQ FVLQLRPELQ EALISIIDHY KWQTFVYIYD
ADRGSLVLQR VLDTAAEKNW QVTAVNILT TEEGYRMLFQ DLEKKKERLV
VVDCESERLN AILGQIVKLE KNGIGYHYIL ANLGFMIDL NKFKEGNAV
TGFQLVNYTD TIPARIMQQW RTSDSRDHTR VDWKRPKYTS ALTYDGVKVM
AEAFQSLRRQ RIDISRRGNA GDCLANPAVP WGQGIDIQRA LQQVRFEGLT
GNVQFNEKGR RTNYTLHVIE MKHDG
  
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[IDENTIFICATION]

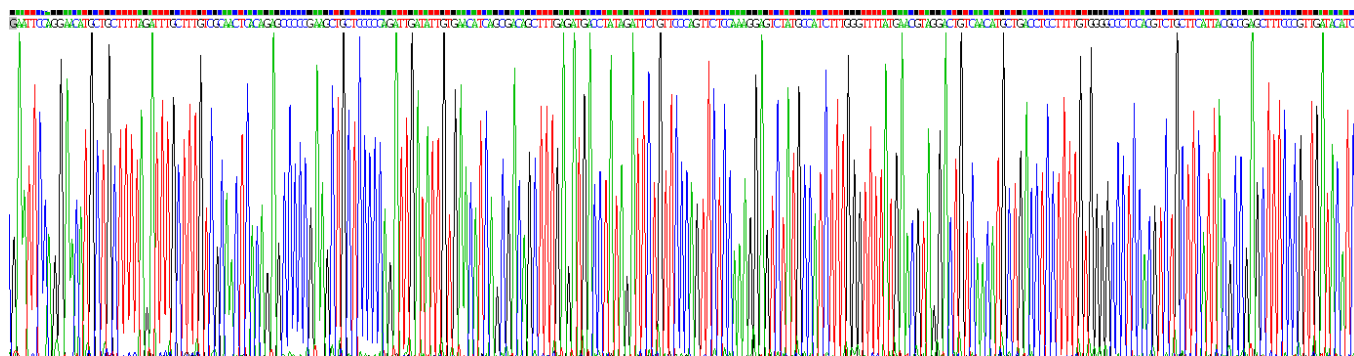


Figure . Gene Sequencing (extract)

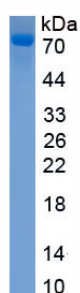


Figure. SDS-PAGE

[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.