

RPE821Hu01 100µg

Recombinant Glutamate Receptor, Metabotropic 1 (GRM1)

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: Ser165~Glu592

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: 150µg/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: 5.4

Predicted Molecular Mass: 52.3kDa

Accurate Molecular Mass: 52kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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]

SSVAIQ	VQNLLQLFDI	PQIAYSATSI	DLSDKTLKYK
FLRVVPSDTL	QARAMLDIVK	RYNWTYVSAV	HTEGNYGESG
MDAFKELAAQ	EGLCIAHSDK	IYSNAGEKSF	DRLLRKLRLR
CEGMTVRGLL	SAMRRLGVVG	EFSLIGSDGW	ADRDEVIEGY
KLQSPEVRSF	DDYFLKLRLD	TNTRNPWFPE	FWQHRFQCRL
KRICTGNESL	EENYVQDSKM	GFVINAIYAM	AHGLQNMHHA
AMKPIDGSKL	LDFLIKSSFI	GVSGEVWFD	EKGDAPEGRYD
RYDYVHVGTW	HEGVLNIDDY	KIQMNKSGVV	RSVCSEPCLK
VSCCWICTAC	KENEYVQDEF	TCKACDLGWW	PNADLTGCEP
IPVRYLEWSN		IE	

[IDENTIFICATION]

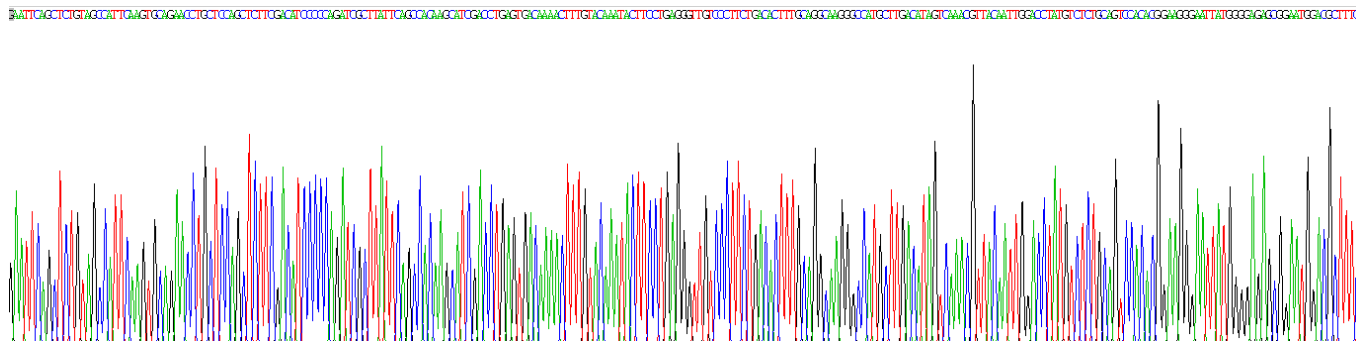


Figure . Gene Sequencing (extract)



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.