

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]

FLRVVPSDTL	SSVAIQ	VQNLLQLFDI	PQIAYSATSI	DLSDKTLKY
EGLCIAHSDK	QARAMLDIVK	RYNWTYVSAV	HTEGNYGESG	MDAFKELAAQ
SAMRR LGVVG	IYSNAGEKSF	DRLLRKL RER	LPKARVV VCF	CEGMTVRGLL
DDYFLKLRLD	EFSLIGSDGW	ADRDEVIEGY	EVEANGGITI	KLQSPEVRSF
EENYVQDSKM	TNTRNPWFPE	FWQHRFQCRL	PGHLLNP NF	KRICTGNESL
LDFLIKSSFI	GFVINAIYAM	AHGLQNMHHA	LCPGHVGLCD	AMKPIDGSKL
HEGVLNIDDY	GVSGEVWFD	EKGDA PGRYD	IMNLQY TEAN	RYDYVHVGTW
KENEYVQDEF	KIQMNKSGVV	RSVCSEPCLK	GQIKVIRKGE	VSCCWICTAC
	TCKACDLGWW	PNADLTGCEP	IPVRYLEWSN	IE

[IDENTIFICATION]

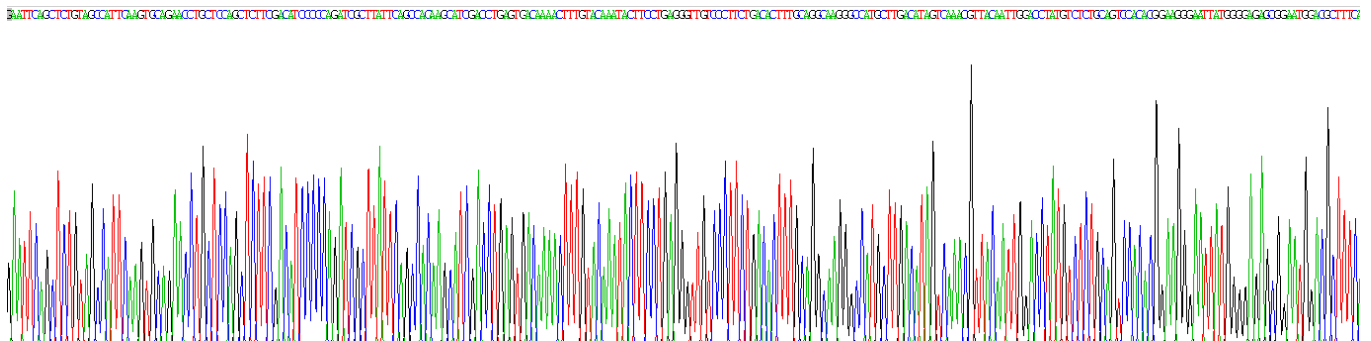


Figure . Gene Sequencing (extract)



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.