

Recombinant Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 1 (GRIN1) Instruction Manual

SIPE537Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	64.3kDa
Accurate Molecular Mass	65/34kDa(Analysis of differences refer to the manual)
Residues & Tags	Arg19~Gln559 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	8.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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RA ACDPKIVNIG AVLSTRKHEQ MFREAVNQAN  
KRHGSKWIKL NATSVTHKPN AIQMALSVC E DLISSQVYAI LVSHPTPND  
HFTPTPVSYT AGFYRIPVLG LTTRMSIYSD KSIHLSFLRT VPPYSHQSSV  
WFEMMRVYNW NHIILLVSDD HEGRAAQKRL ETLLEERESK AEKVLQFDPG  
TKNVTALLME ARELEARVII LSASEDDAAT VYRAAAMLNM TGSGYVWLVG  
EREISGNALR YAPDGIIGLQ LINGKNESAH ISDAVGVAQ AVHELLEKEN  
ITDPPRGCVG NTNIWKTGPL FKRVLMSKY ADGVTGRVEF NEDGDRKFAN  
YSIMNLQNRK LVQVGIYNGT HVIPNDRKII WPGGETEKPR GYQMSTRLKI  
VTIHQEPFVY VKPTMSDGT C KEEFTVNGDP VKKVICTGPN DTSPGSPRHT  
VPQCCYGF CI DLLIKLARTM NFTYEVHLVA DGKFGTQERV NNSNKKEWNG  
MMGELLSGQA DMIVAPLTIN NERAQYIEFS KPFKYQGLTI LVKKEIPRST  
LDSFMQPFQ
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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

TTGGGCGGCTGGGACCGGAGGTCCTACACTGGGCGGGTCTGACACGGGCACTGACAGATGTTGGGAGGCACTAACTGGGCACTAGGCGACGGGCTTTGGAGATGACCTCAACGGGCTTCTGTCGCGGCAAGGCGCAAGCGGCTAGAGATGGGCTGTCAGTGTGTGAGGACTCATCTTAC
R A A C D P K I V N I G A V L S T R K H E Q H F R E A V N Q A W K R H G S V K I Q L N A T S V T H K P N A I Q H A L S V C E D L I S S

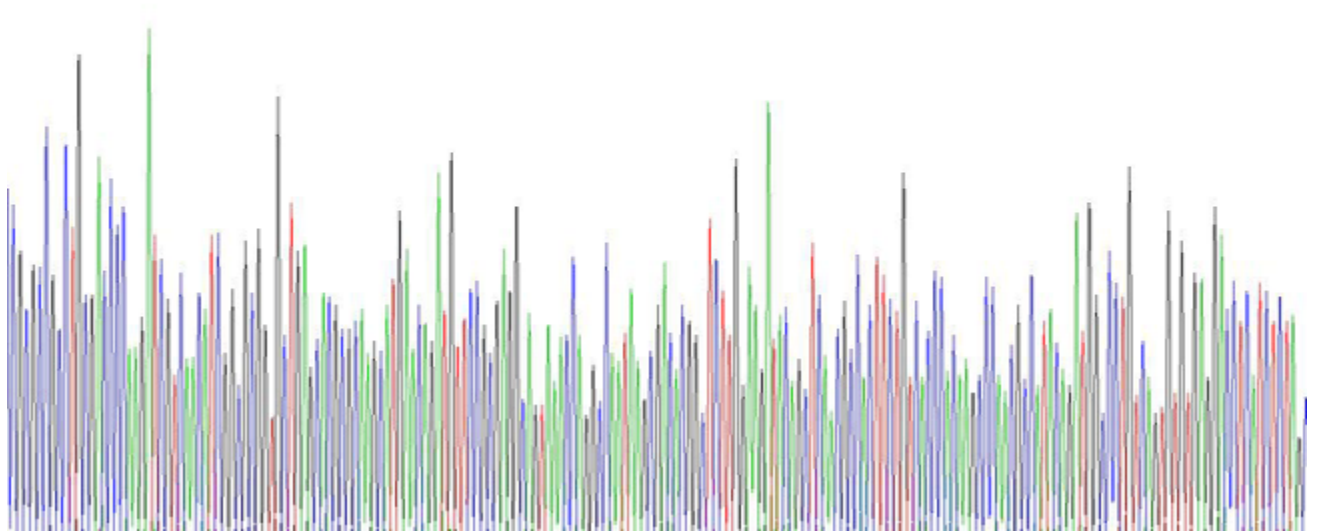


Figure. SDS-PAGE

[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.