

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

**SIPE537Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted
<b>Predicted Molecular Mass</b>	64.3kDa
<b>Accurate Molecular Mass</b>	64kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Arg19~Gln559 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	8.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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RA ACDPKIVNIG AVLSTRKHEQ MFREAVNQAN  
KRHGSKWIKL NATSVTHKPN AIQMALSVC E DLISSQVYAI LVSHPPTPND  
HFTPTPVSYT AGFYRIPVLG LTRMSIYSD KSIHLSFLRT VPPYSHQSSV  
WFEMMRVYSW NHIILLVSDD HEGRAAQKRL ETLLEERESK AEKVLQFDPG  
TKNVTALLME AKELEARVII LSASEDDAAT VYRAAAMLNM TGSGYVWLVG  
EREISGNALR YAPDGILGLQ LINGKNESAH ISDAVGVAQ AVHELLEKEN  
ITDPPRGCVG NTNIWKTGPL FKRVLMSKY ADGVTGRVEF NEDGDRKFAN  
YSIMNLQNRK LVQVGIYNGT HVIPNDRKII WPGGETEKPR GYQMSTRLKI  
VTIHQEPFVY VKPTLSDGTC KEEFTVNGDP VKKVICTGPN DTSPGSPRHT  
VPQCCYGFIC DLLIKLARTM NFTYEVHLVA DGKFGTQERV NNSNKKEWNG  
MMGELLSGQA DMIVAPLTIN NERAQYIEFS KPFGYQGLTI LVKKEIPRST  
LDSFMQPFQ
```

## 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**

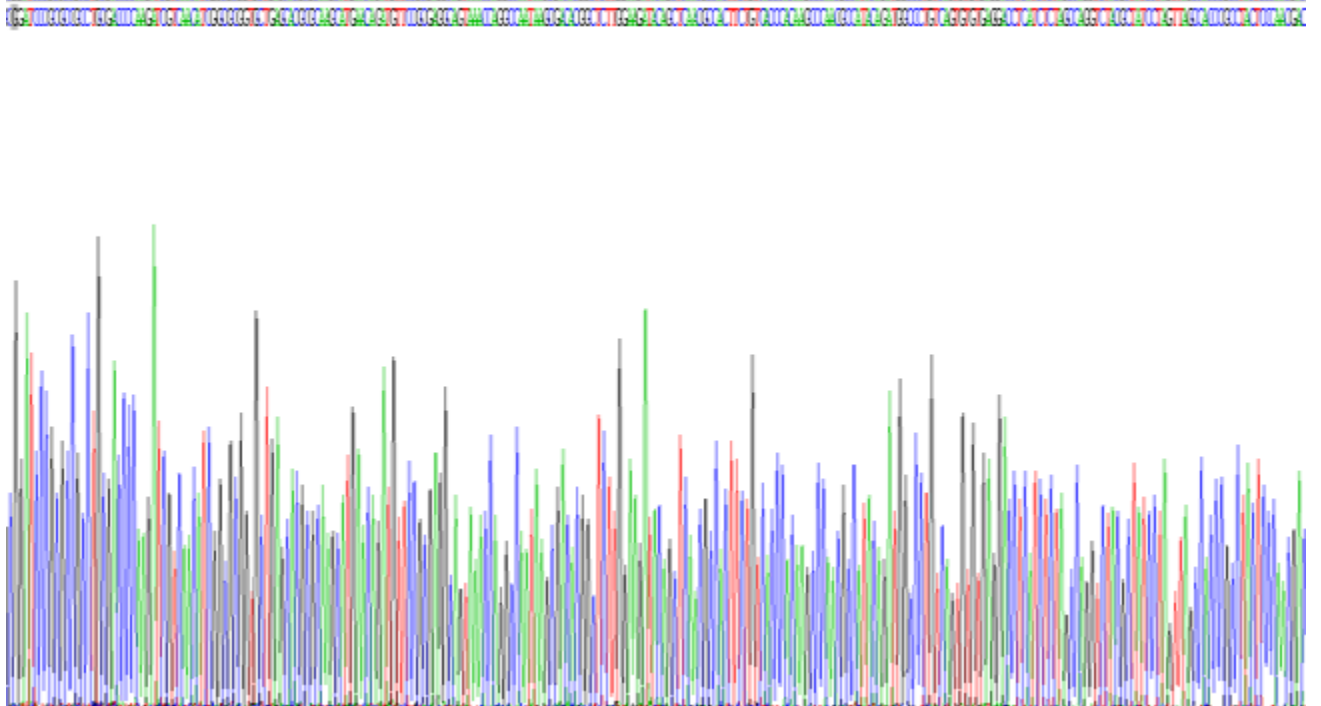


Figure. SDS-PAGE

## **[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.