SunLong Biotech Co.,LTD
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Recombinant Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D)

Catalog Number: SIPE183Hu01 **Spec: 10ug**

Product Name	Recombinant Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 2D (GRIN2D)
Catalog Number	SIPE183Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Phe28~Ala584
Tags	N-terminal His Tag
Subcellular Location	Membrane
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Original Concentration	700μg/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	5.7
Predicted Molecular Mass	63.7kDa
Accurate Molecular Mass	64kDa 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 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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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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                                FPE EAPGPGGAGG PGGGLGGARP
LNVALVFSGP AYAAEAARLG PAVAAAVRSP GLDVRPVALV LNGSDPRSLV
LQLCDLLSGL RVHGVVFEDD SRAPAVAPIL DFLSAQTSLP IVAVHGGAAL
VLTPKEKGST FLQLGSSTEQ QLQVIFEVLE EYDWTSFVAV TTRAPGHRAF
LSYIEVLTDG SLVGWEHRGA LTLDPGAGEA VLSAQLRSVS AQIRLLFCAR
EEAEPVFRAA EEAGLTGSGY VWFMVGPQLA GGGGSGAPGE PPLLPGGAPL
PAGLFAVRSA GWRDDLARRV AAGVAVVARG AQALLRDYGF LPELGHDCRA
QNRTHRGESL HRYFMNITWD NRDYSFNEDG FLVNPSLVVI SLTRDRTWEV
VGSWEQQTLR LKYPLWSRYG RFLQPVDDTQ HLTVATLEER PFVIVEPADP
ISGTCIRDSV PCRSQLNRTH SPPPDAPRPE KRCCKGFCID ILKRLAHTIG
FSYDLYLVTN GKHGKKIDGV WNGMIGEVFY QRADMAIGSL TINEERSEIV
DFSVPFVETG ISVMVARSNG TVSPSAFLEP YSPA
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[IDENTIFICATION]

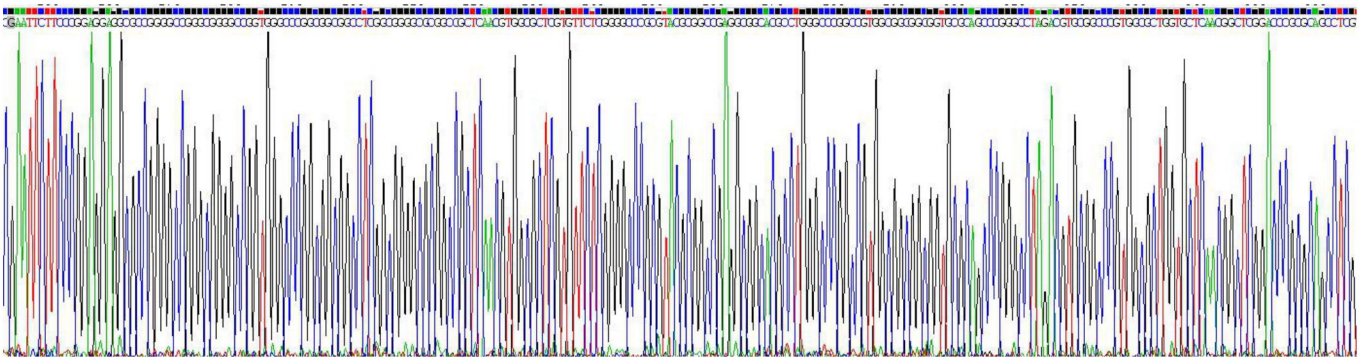


Figure . Gene Sequencing (extract)

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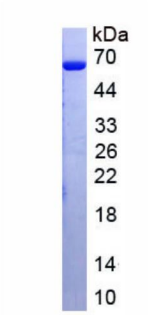


Figure. SDS-PAGE

[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.