

RPE807Hu01 50µg

**Recombinant Glutamate Receptor,
Ionotropic, N-Methyl-D-Aspartate 2B (GRIN2B)**

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Ile35~Asp557

Tags: Two N-terminal Tags, His-tag and GST-tag

Accession: Q13224

Host: *E. coli*

Subcellular Location: Cell membrane. Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg
(determined by the LAL method).

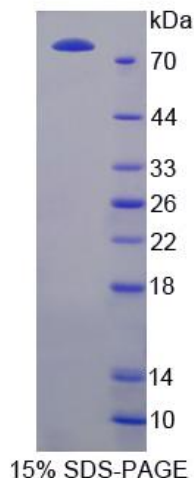
Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 4.8

Predicted Molecular Mass: 89.0kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



[USAGE]

Reconstitute in sterile ddH₂O.

[**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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCES**]

The sequence of the target protein is listed below.

IGIAVI LVGTSDEVAI KDAHEKDDFH HLSVVPVEL VAMNETDPKS IITRICDLMS
DRKIQGVVFA DDTDQEAIQA ILDFISAQTL TPILGIHGGG SMIMADKDES SMFFQFGPSI
EQQASVMLNI MEEYDWYIFS IVTTYFPGYQ DFNKIRSTI ENSFVGWELE EVLLLDMSLD
DGDSKIQNQL KKLQSPIILL YCTKEEATYI FEVANSVGLT GYGYTWIVPS LVAGD TDTP
AEFPTGLISV SYDEWDYGLP ARVRDGIALL TTAASDMLSE HSFIEPKSS CYNTHKRIY
QSNMLNRYLI NVTFEGRNLS FSEDGYQMHP KLVILLNKE RKWERVGKWK DKSLQMKYYV
WPRMCPETEE QEDDHLSIVT LEEAPFVIVE SVDPLSGTCM RNTVPCQKRI VTENKTDEEP
GYIKKCKCKGF CIDILKKISK SVKFTYDLYL VTNGKHGKKI NGTWNGMIGE VVMKRAYMAV
GSLTINEERS EVVDFSVPI ETGISVMVSR SNGTVSPSAF LEFVSAD

[**REFERENCES**]

1. Adams S.L., *et al.* (1995) *Biochim. Biophys. Acta* 1260:105-108.
2. Hess S.D., *et al.* (1996) *J. Pharmacol. Exp. Ther.* 278:808-816.
3. Mandich P., *et al.* (1994) *Genomics* 22:216-218.
4. Schito A.M., *et al.* (1997) *Neurosci. Lett.* 239:49-53.