

# Recombinant human Glutamate [NMDA] receptor subunit epsilon-1

Catalog No: #AP72237

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP72237-1 20ug #AP72237-2 100ug #AP72237-3 1mg

## Description

Product Name	Recombinant human Glutamate [NMDA] receptor subunit epsilon-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:501-550aa & 601-630aa & 701-750aaSequence Info:Partial
Other Names	Glutamate [NMDA] receptor subunit epsilon-1N-methyl D-aspartate receptor subtype 2A ;NMDAR2A ;NR2A ;hNR2A
Accession No.	Q12879
Uniprot	Q12879
GeneID	2903;
Calculated MW	18.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VYQRAVMVAVGSLTINEERSEVDFSVPFVETGISVMVSRNGTVSPSAFLIGKAIWLLWGLVFNNSVPVQNPK GTTSKIMMHQYMTKFNQKGVEDALVSLKTGKLDAFIYDAAVLNYKAGRDEGCKLVTI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.

## References

Mutations in GRIN2A and GRIN2B encoding regulatory subunits of NMDA receptors cause variable neurodevelopmental phenotypes.Endele S., Rosenberger G., Geider K., Popp B., Tamer C., Stefanova I., Milh M., Kortum F., Fritsch A., Pientka F.K., Hellenbroich Y., Kalscheuer V.M., Kohlhase J., Moog U., Rappold G., Rauch A., Ropers H.H., von Spiczak S. , Tonnie H., Villeneuve N., Villard L., Zabel B., Zenker M., Laube B., Reis A., Wiczorek D., Van Maldergem L., Kutsche K.Nat. Genet. 42:1021-1026(2010)Research Topic:Transport

Note: This product is for in vitro research use only