Recombinant Homo sapiens Glutamate receptor 3

Catalog No: #AP72583

Package Size: #AP72583-1 20ug #AP72583-2 100ug #AP72583-3 1mg

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Description

Product Name	Recombinant Homo sapiens Glutamate receptor 3
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:151-250aaSequence Info:Partial
Other Names	AMPA-selective glutamate receptor 3GluR-CGluR-K3Glutamate receptor ionotropic, AMPA 3 ;GluA3
Accession No.	P42263
Uniprot	P42263
GeneID	2892;
Calculated MW	14 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRIIEEMDRRQEKRYLIDCEVE RINTILEQVVILGKHSRGYHYMLANL
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

Receptor for glutamate that functions as ligand-gated ion channel in the central nervous syst and plays an important role in excitatory synaptic transmission. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous syst. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.

References

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