

Product Information

MemDX™ Membrane Protein Human GRIA1 (Glutamate ionotropic receptor AMPA type subunit 1) for Antibody Discovery

Cat. No.: **MP0622J**

This product is for research use only and is not intended for diagnostic use.

This product is a 101.3 kDa Human GRIA1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GRIA1

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Molecular Weight

101.3 kDa

TMD

3

Sequence

MQHFAFFCTGFLGAVVGANFPNNIQIGGLFPNQQSQEHAARFALSQLTEPPKLLPQIDIVNISDSFEM
TYRFCSQFSKGVYAIFGFYERRTVNMLTSFCGALHVCFITPSFPVDTSNQFVLQLRPELQDALISIDHY
KWQKFVYIYDADRGLSVLQKVLDTAAEKNWQVTAVNILTTEEGYRMLFQDLEKKKERLVVDCESERLN
AILGQIIKLEKNGIGYHYILANLGFMDIDLNKFKESGANVTGFQLVNYTDTIPAKIMQQWKNSDARDHTR
VDWKRPKYTSALTYDGVKVMAEAFQSLRRQRIDISRRGNAGDCLANPAVPWGQGIDIQRALQQVRFEGLT
GNVQFNEKGRRTNYTLHVIEMKHDGIRKIGYWNEDDKFVPAATDAQAGGDNSSVQNRTYIVTTILEDPYV
MLKKNANQFEGNDRYEGYCVELAAEIAKHVGYSYRLEIVSDGKYGARDPDTKAWNGMVGELVYGRADVAV
APLTITLVREEVIDFSKPFMSLGISIMIKKPQKSKPGVFSFLDPLAYEIMCIVFAYIGVSVVFLVSRF
SPYEWHSSEEFEEGRDQTTSDQSNEFGIFNSLWFSLGAFMQQGCDSRSLSGRIVGGVWWFFTLIISSY
TANLAAFLTVERMVSPIESAEDLAKQTEIAYGTLEAGSTKEFFRRSKIYVFEKMWTYMKSAEPSVFVRTT
EEGMIRVRKSKGKYAYLLESTMNEYIEQRKPCDTMKVGGNLDKGYGIATPKGSALRGPVNLAVLKLSEQ
GVLDKLSKWWYDKGECGSKDSGSKDKTSALSLSNVAGVFYILIGGLGLAMLVALIEFCYKSRSESKRMK
GFCLIPQQSINEAIRTSTLPRNSGAGASSGGSGENGRVVSHDFPKSMQSIPCMSSHSSGMPLGATGL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

GRIA1

Full Name

Glutamate ionotropic receptor AMPA type subunit 1

Introduction

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

GluA1; GLUH1; GLUR1; GLURA; HBGR1

Gene ID

[2890](#)

UniProt ID

[P42261](#)