

Product Information

MemDX™ Membrane Protein Human GRIA1 (Glutamate ionotropic receptor AMPA type subunit 1) Full Length

Cat. No.: **MPC0555K**

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

This product is a 101.5 kDa Human GRIA1 membrane protein expressed in HEK293. 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

Transporter; Ion channel

Molecular Weight

101.5 kDa

TMD

4

Sequence

MQHFAFFCTGFLGAVVGANFPNNIQIGGLFPNQSQEHAAFRFALSQLT
EPPKLLPQIDIVNISDSFEMTYRFCSQFSKGVYAIFGFYERRTVNMLTSF
CGALHVCFITPSFPVDTSNQFVLQLRPELQDALISIDHYKWQKFVYIYD
ADRGLSVLQKVLDTAAEKNWQVTAVNILLTTEEGYRMLFQDLEKKKERLV
VVDCESERLNAILGQIIKLEKNGIGYHYILANLGFMDIDLNKFESGANV
TGFQLVNYTDTIPAKIMQQWKNDSARDHTRVDWKRPKYTSALTYDGVKVM
AEAFQSLRRQRIDISRRGNAGDCLANPAVPWGQGIDIQRALQQVRFEGLT
GNVQFNEKGRRTNYTLHVIEMKHDGIRKIGYWNEDDKFVPAATDAQAGGD
NSSVQNRITYIVTTILEDPYVMLKKNANQFEGNDRYEGYCVELAAEIAKHV
GYSYRLEIVSDGKYGARDPDTKAWNGMVGELVYGRADVAVAPLTITLVRE
EVIDFSKPFMSLGISIMIKKPQKSKPGVFSFLDPLAYEIWMCIVFAYIGV
SVVLFLVSRFSPYEWHSSEEFEEGRDQTTSDQSNEFGIFNSLWFSLGAFMQ
QGCDISPRSLSGRIVGGVWWFFTLIISSYTANLAAFLTVERMVSPIESA
EDLAKQTEIAYGTLEAGSTKEFFRRSKIAVFEKMWTYMKSAEPSVFRRT
EEGMIRVRKSKGKYAYLLESTMNEYIEQRKPCDTMKVGGNLDKSGYGIAT
PKGSALRNPVNLAFLKLNEQGLLDKLKNKWWYDKGECGSGGGDSKDKTSA
LSLSNVAGVFYILIGGLGLAMLVALIEFCYKSRSESKRMKGFCLIPQQSI
NEAIRTSTLPRNSGAGASSGGSGENGRVVSDFPKSMQSI PCMSHSSGMP
LGATGL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

GLUH1; GLUR1; GLURA; GluA1; HBGR1; glutamate receptor 1; AMPA 1; AMPA-selective glutamate receptor 1; gluR-1; gluR-A; gluR-K1; glutamate receptor, ionotropic, AMPA 1; GRIA1; Glutamate ionotropic receptor AMPA type subunit 1

Gene ID

[2890](#)

UniProt ID

[P42261](#)