

Product Information

MemDX™ Membrane Protein Human GRIA3 (Glutamate ionotropic receptor AMPA type subunit 3) Full Length

Cat. No.: **MPC0557K**

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

This product is a 101.1 kDa Human GRIA3 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

GRIA3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

101.1 kDa

TMD

4

Sequence

MARQKKMGQSVLRAVFFLVLLGSHSHGGFPNTISIGGLFMRNTVQEHS
FRFAVQLYNTNQNTTEKPFHLNYHVDHLDSSNSFSVTNAFCSQFSRGVYA
IFGFYDQMSMNTLTSCGALHTSFVTPSFPTDADVQFVIQMRPALKGAIL
SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNKDVQ
EFRRIIEEMDRRQEKRYLIDCEVERINTILEQVVILGKHSRGYHYMLANL
GFTDILLERVMHGGANITGFQIVNNENPMVQQFIQRWVRLDEREFPEAKN
APLKYSALTHDAILVIAEAFRYLRRQRVDVSRRGSGAGDCLANPAVPWSQ
GIDIERALKMVQVQGMTGNIQFDYGRRTNYTIDVYEMKVSGSRKAGYWN
EYERFVPFSDQQISNDSASSENRTIVTTILESPYVMYKKNHEQLEGNER
YEGYCVDLAYEIAKHVRIKYKLSIVGDGKYGARDPETKIWNMGVDELVYG
RADIAPLTLITLVREEVIDFSKPFMSLGSIMIKKPQKSKPGVFSFLDP
LAYEIWMCIVFAYIGVSVVLFVSRFSPYEWHLNNEEPRDPQSPDPDP
NEFGIFNSLWFLGAFMQQGCDSRSLSGRIVGGVWWFFTLIISSYTA
NLAAFLTVERMVSPIESAEDLAKQTEIAYGTLDSGSTKEFFRRSKIAYVE
KMWSYMKSAEPSVFTKTTADGVARVRKSKGKFAFLESTMNEYIEQRKPC
DTMKVGGNLDKSGYGVATPKGSALRNAVNLAFLKLNEQGLLDKLNKWWY
DKGECGSGGGDSKDKTSALSLSNVAGVFYILVGGLGLAMMVALIEFCYKS
RAESKRMKLTQNTQNFKPAPATNTQNYATYREGYNVYGTESVKI

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

GRIA3

Full Name

Glutamate ionotropic receptor AMPA type subunit 3

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 composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties.

Alternative Names

GLUR3; GLURC; GluA3; MRX94; MRXSW; GLUR-C; GLUR-K3; glutamate receptor 3; AMPA-selective glutamate receptor 3; dJ1171F9.1; glur-3; glutamate receptor C; glutamate receptor subunit 3; glutamate receptor, ionotropic, AMPA 3; glutamate receptor, ionotropic, AMPA 3; GRIA3; Glutamate ionotropic receptor AMPA type subunit 3

Gene ID

[2892](#)

UniProt ID

[P42263](#)