

Product Information

MemDX™ Membrane Protein Human GRIA4 (Glutamate ionotropic receptor AMPA type subunit 4) Full Length

Cat. No.: **MPC0558K**

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

This product is a 100.8 kDa Human GRIA4 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

GRIA4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

100.8 kDa

TMD

4

Sequence

MRISRQIVLLFSGFWGLAMGAFPSSVQIGGLFIRNTDQEYTAFLAIFL
HNTSPNASEAPFNLVPHVDNIETANSFAVTNAFCSQYSRGVFAIFGLYDK
RSVHTLTSFCSALHISLITPSFPTGESQFVLQLRPSLRGALLSLLDHYE
WNCVFVLYDTRGYSILQAIMEKAGQNGWHVSAICVENFNDVSYRQLLEE
LDRRQEKKFVIDCEIERLQNIIEQIVSVGKHVKGYHYIIANLGFKDISLE
RFIHGGANVTGFQLVDFNTPMVIKLMDRWKKLDQREYPGSETPPKYTSAL
TYDGLVMAETFRSLRRQKIDISRRGNAGDCLANPAAPWGQGIDMERTLK
QVRIQGLTGNVQFDHYGRRVNYTMDVFELKSTGPRKVGWYNDMDKLVLIIQ
DVPTLGNDTAAIENRTVVVTTIMESPYVMYKKNHEMFEGNDKYEYCYVDL
ASEIAKHIGIKYKIAIVPDGKYGARDADTKIWNGMVGELVYGKAEIAIAP
LTITLVREEVIDFSKPFMSLGISIMIKKPQKSKPGVFSFLDPLAYEIIWMC
IVFAYIGVSVVFLVSRFSPYEWHTTEPEDGKEGPSDQPPNEFGIFNSLW
FSLGAFMQQGCDISPRSLSGRIVGGVWWFFTLIISSYTANLAAFLTVER
MVSPIESAEDLAKQTEIAYGTLDSGSTKEFFRRSKIAYYEKMWTYMRSAE
PSVFTRTTAEGVARVRKSKGKFAFLLESTMNEYIEQRKPCDTMKVGGNLD
SKGYGVATPKGSSLRTPVNLAVLKLSEAGVLDKLNKWWYDKGECGPKDS
GSKDKTSALSLSNVAGVFYILVGGLGLAMLVALIEFCYKSRAEAKRMKLT
FSEAIRNKARLSITGSVGENGRVLTDPCKAVHTGTAIRQSSGLAVIASD
LP

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

GRIA4

Full Name

Glutamate ionotropic receptor AMPA type subunit 4

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 of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia.

Alternative Names

GLUR4; GLURD; GluA4; GLUR4C; NEDSGA; glutamate receptor 4; AMPA-selective glutamate receptor 4; gluR-4; gluR-D; glutamate receptor, ionotropic, AMPA 4; glutamate receptor, ionotropic, AMPA 4; GRIA4; Glutamate ionotropic receptor AMPA type subunit 4

Gene ID

[2893](#)

UniProt ID

[P48058](#)