

Product Information

MemDX™ Membrane Protein Human GRIK2 (Glutamate ionotropic receptor kainate type subunit 2, transcript variant 1) for Antibody Discovery

Cat. No.: **MP1213J**

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

This product is a 98.9 kDa Human GRIK2 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

GRIK2

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Molecular Weight

98.9 kDa

TMD

3

Sequence

MKIIFPILSNPVFRRTVKLLLCLLWIGYSQGTTHVLRFGGIFEYVESGPMGAEELAFRFAVNTINRNRTL
LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFGPSHSSSANAVQSICNALGVPHIQTRWKHQVSD
NKDSFYVSLYPDFSSLSRAILDVQFFKWKTVTVYDDSTGLIRLQELIKAPSRYNLRKIRQLPADTKD
AKPLLKEMKRGKEFHVIFDCSHEMAAGILKQALAMGMMTEYYHYIFTTDLFALDVEPYRYSGVNMTGFR
ILNTENTQVSSIEKWSMERLQAPPKPDSGLLDGFMTTDAALMYDAVHVSVAVQQFPQMTVSSLQCNRH
KPWRFGTRFMSLIKEAHWEGLTGRITFNKTNGLRDTDFLDVISLKEEGLEKIGTWDPASGLNMTESQK GK
PANITDSLNSRLIVTTILEEPYVLFKKS DKPLYGNDRFEGYCIDLLRELSTILGFTYEIRLVEDGKYGA
QDDANGQWNGMVRELIDHKADLAVAPLAITYVREKVIDFSKPFMTLGISILYRKPNGTNPGVFSFLNPLS
PDIWMYVLLAYLGVSCVLFVIARFSPYEWYNPHPCNPDSDVVENNFTLLNSFWFGV GALMRQGS ELM PKA
LSTRIVGGIWWFFTLIISSYTANLAAFLTVERMESPID SADDLAKQTKIEYGAVEDGATMTFFKSKIS
TYDKMWAFMSSRRQSVLVKSNEEGIQRVLTSDYAFLMESTTIEFVTQRNCNLTQIGGLIDSKGYGVGTPM
GSPYRDKITIAILQLQEEGKLHMMKEKWWRGNGCP EEESKEASALGVQNIGGIFIVLAAGLVLSV FVAVG
EFLYKSKKNAQLEKRSFCSAMVEELRMSLKCQRRLKHKQPAPVIVKTEEVINMHTFND RRLPGKETMA

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

GRIK2

Full Name

Glutamate ionotropic receptor kainate type subunit 2

Introduction

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive cognitive disability.

Alternative Names

EAA4; GLR6; MRT6; GLUK6; GLUR6; GluK2

Gene ID

[2898](#)

UniProt ID

[Q13002](#)