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Product Information

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

Cat. No.: **MP0491X**
This product is for research use only and is not intended for diagnostic use.

This product is a 64.57 kDa Human GRIK2 membrane protein expressed in *in vitro* wheat germ expression system. 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

Molecular Weight
64.57 kDa

TMD
3

Sequence
MKIIFPILSNPVFRRTVKLLLCLLWIGYSQGTTHVLRFGGIFEYVESGPMGAEELAFRFAVNTINRNRTLLPNTTLTYDTQKINLYDSFE

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

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

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