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Product Information

MemDX™ Membrane Protein Human GRIA3 (Glutamate ionotropic receptor AMPA type subunit 3) expressed in Yeast for Antibody Discovery

Cat. No.: **MP1378J**
This product is for research use only and is not intended for diagnostic use.

This product is a 14 kDa Human GRIA3 membrane protein expressed in Yeast. 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
Partial (151-250aa)

Protein Class
Ion Channel

Molecular Weight
14 kDa

Sequence
SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRIIEEMDRRQEKRYLIDCEVERINTILEQVVILGKH

Product Description

Expression Systems
Yeast

Tag
N-6xHis

Form
Liquid or Lyophilized powder

Reconstitution
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>90% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

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

AMPA 3; AMPA selective glutamate receptor 3; AMPA-selective glutamate receptor 3; dJ1171F9.1; GluA3; GLUK3; GluR 3; GLUR C; GLUR K3; GluR-3; GluR-C; GluR-K3; GLUR3; GLURC; Glutamate ionotropic receptor AMPA type subunit 3; Glutamate receptor 3; Glutamate receptor C; Glutamate receptor ionotrophic AMPA 3; Glutamate receptor ionotropic; Glutamate receptor subunit 3; Glutamate receptor; ionotropic; AMPA 3; GRIA 3; Gria3; GRIA3_HUMAN; Ionotrophic Glutamate Receptor; MRX94

Gene ID

2892

UniProt ID

P42263