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Product Information

MemDX™ Membrane Protein Human GRIN1 (Glutamate ionotropic receptor NMDA type subunit 1 expressed in *in vitro* wheat germ expression system) for Antibody Discovery

Cat. No.: **MP0493X**
This product is for research use only and is not intended for diagnostic use.

This product is a 103.2 kDa Human GRIN1 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
GRIN1

Protein Length
Full-length

Molecular Weight
103.2 kDa

TMD
3

Sequence
MSTMRLLTLALLFSCSVARAACDPKIVNIGAVLSTRKHEQMFREAVNQANKRHGSWKIQLNATSVTHKPNAIQMALSVCEDLISSQV

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

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

Target

Target Protein

GRIN1

Full Name

Glutamate ionotropic receptor NMDA type subunit 1

Introduction

The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thoμght to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described

Alternative Names

NR1; MRD8; GluN1; NMDA1; NDHMSD; NDHMSR; NMD-R1; NMDAR1

Gene ID

2902

UniProt ID

Q05586