

Product Information

MemDX™ Membrane Protein Human GRIN3A (Glutamate ionotropic receptor NMDA type subunit 3A) for Antibody Discovery

Cat. No.: **MP1251J**

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

This product is a 125.3 kDa Human GRIN3A 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

GRIN3A

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Molecular Weight

125.3 kDa

TMD

3

Sequence

MRRLSLWWLLSRVCLLLPPPCALVLAGVPSSSSHPQPCQILKRIGHAVRVGAVHLQPWTTAPRAASRAPD
DSRAGAQRDEPEPGTRRSPAPSPGARWLGSTLHGRGPPGSRKPGEGARAEALWPRDALLFAVDNLNRVEG
LLPYNLSLEVMAIEAGLGDLPLLPFSSPSPWSSDPFSFLQSVCHTVVVQGVSAALLAFPQSQGEMMELD
LVSLVLHIPVISIRHEFPRESQNPLHLQLSLENSLSSDADTVSILTMNNWYNFSLLCQEDWNITDFL
LLTQNNSKFHLGSIINITANLPSTQDLLSFLQIQLESIKNSTPTVVMFGCDMESIRRIFEITTQFGVMP
ELRWVLGDSQNVEELRTEGLPLGLIAHGKTTQSVFEHYVQDAMELVARAVATATMIQPELALIPSTMNCM
EVETTNLTSGQYLSRFLANTTFRGLSGSIRVKGSTIVSSENNFFIWNLQHDPMGKPMWTRLGWSWQGGKIV
MDYGIWPEQAQRHKTHFQHPSKLHLRVVTLIEHPFVFTREVDDGLCPAGQLCLDPMTNDSSSLDLSLFSS
LHSSNDTVPIKFKKCCYGYCIDLLEKIAEDMNFDLDLYIVGDGKYGAWKNGHWTGLVGDLLRGTAHMAVT
SFSINTARSQVIDFTSPFFSTSLGILVRTRDTAAPIGAFMWPLHWTMWLGIFVALHITAVFLTLYEWKSP
FGLTPKGRNRSKVFSFSSALNICYALLFGRTVAIKPPKCWTGRFLMNLWAIFCMFCLSTYTANLAAVMVG
EKIYEELSGIHDPKLLHPSQGFRFGTVRESSAEDYVRQSFPHEMHEYMRRYNVPATPDGVEYLKNDPEKLD
AFIMDKALLDYEVSIDADCKLLTVGKPFAGIEGYGIGLPPNSPLTANISELISQYKSHGFMDMLHDKWYRV
VPCGKRSAVTETLQMGIKHFSGLFVLLCIGFGLSILTTIGEHIYRLLLPRIKNKSKLQYWLHTSQRHL
RAINTSFIEEKQQHFKTKRVEKRSNVGPRQLTVWNTSNLSDNRNRKYIFSDEEGQNQLGIQIHQDIPLPP
RRRELPAIRTTNGKADSLNVRNSVMQELSELEKQIQVIRQELQLAVSRKTELEEQRTSRTCES

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

GRIN3A

Full Name

Glutamate ionotropic receptor NMDA type subunit 3A

Introduction

This gene encodes a subunit of the N-methyl-D-aspartate (NMDA) receptors, which belong to the superfamily of glutamate-regulated ion channels, and function in physiological and pathological processes in the central nervous system. This subunit shows greater than 90% identity to the corresponding subunit in rat. Studies in the knockout mouse deficient in this subunit suggest that this gene may be involved in the development of synaptic elements by modulating NMDA receptor activity.

Alternative Names

GluN3A; NMDAR-L; NR3A; N-methyl-D-aspartate receptor subtype 3A; glutamate [NMDA] receptor subunit 3A; glutamate receptor, ionotropic, N-methyl-D-aspartate 3A

Gene ID

[116443](#)

UniProt ID

[Q8TCU5](#)