

Product Information

MemDX™ Membrane Protein Human GRIK3 (Glutamate ionotropic receptor kainate type subunit 3) Full Length

Cat. No.: **MPC0563K**

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

This product is a 104 kDa Human GRIK3 membrane protein expressed in HEK293. 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

GRIK3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

104 kDa

TMD

3

Sequence

MTAPWRRRLRSLVWEYWAGLLVCAFWIPDSRGMPhVIRIGGIFeYADGPNA
QVMNAEEHAFRFSANIINRNRTLLPNTTlTYDIQRIHFHDSFEATKKACD
QLALGVVAIFGPSQGSCtNAVQSICNALEVPHIQLRWKHHPLDNKDTFYV
NLYPDYASLSHAILDLVQYLKwRSATVVYDDSTGLIRLQELIMAPSRyNI
RLKIRQLPIDSDDSRPLLkEMKRGREFRIIFDCSHTMAAQILKQAMAMGM
MTEYYHFIFTTLdLYALDLEPYRYSgvNLTGFRILNVDNPHVSAIVEKWS
MERLQAAPRSESGLLDGVMmTDAALLYDAVHIVSVcYQRAPQMTVNSLQC
HRHKAWRFGGRFmNFIKEAQWEGLTGRIVFNKTSGLRtDFDLdIISLKED
GLEKVGvWSPADGLNITEVAKGRGPNVtDSLtnRSliVTTVLEEPFVMFR
KSDRTLYGNDRFEGYCIDLLkELAHILGFSYeiRLVEDGKYGAQDDKGQW
NGMVkELIDHKADLAVAPLTITHVREKAIDFSKPFMTLGVSILYRKPNGT
NPSVfSFLNPLSPDIWMyVLLAYLGvSCVLFVIARFSPYEWYDAHPCNPG
SEVVENNFTLLNSFWFGmGSLMQQGSelMPKALSTRIIGGIWWFFTLIII
SSYTANLAAFLTVERMESPIDSAADLAKQTKIEYGAVKDGATMTFFKKS
KISTFEKMWAFMSSKPSALVKNNEEGIQRALtADYALLMEStTIEYVTQRN
CNLTQIGGLIDSKGYGIGTPMGSPYRDKITAILQLQEEDKLHIMKEKWW
RGSGCPEEENKEASALGIQKIGGIFIVLAAGLVLSVLVAVGEFVYKLRKT
AEREQRsFCSTVADEIRFSLTCQRRVKHKPQPPMMVKTDavinMHTFNDR
RLPGKDsmACSTSLAPVFP

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

GRIK3

Full Name

Glutamate ionotropic receptor kainate 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. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics.

Alternative Names

EAA5; GLR7; GLUR7; GluK3; GluR7a; glutamate receptor ionotropic, kainate 3; dJ1090M5.1 (glutamate receptor, ionotropic, kainate 3 (GLUR7)); excitatory amino acid receptor 5; glur-7; glutamate receptor 7; GRIK3; Glutamate ionotropic receptor kainate type subunit 3

Gene ID

[2899](#)

UniProt ID

[Q13003](#)