

Product Information

MemDX™ Membrane Protein Human GRIK4 (Glutamate ionotropic receptor kainate type subunit 4) Full Length

Cat. No.: **MPC0564K**

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

This product is a 107.2 kDa Human GRIK4 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

GRIK4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

107.2 kDa

TMD

3

Sequence

MPRVSAPLVLLPAWLVMVACSPHSLRIAAILDDPMECSRGERLSITLAKN
RINRAPERLGKAKVEVDIFELLRDSEYETAETMCQILPKGVVAVLGPSSS
PASSSIISNICGEKEVPFKVAPEEFVKFQFQRFITLNLHPSNTDISVAV
AGILNFFNCTTACLICAKAECLLNLEKLLRQFLISKDTLSVRMLDDTRDP
TPLLKEIRDDKTATIIHANASMSHTILLKAAELGMVSAYTYIFTNLEF
SLQRMSLVDDRNVILGFSIFNQSHAFFQEFAQSLNQSWQENCDHVPFTG
PALSSALLFDAVYAVVTAVQELNRSQEIGVKPLSCGSAQIWQHGTSLMNY
LRMVELEGLTGHIENSKGQRSNYALKILQFTRNGFRQIGQWHVAEGLSM
DSHLYASNISDTLFTNTLLVTTILENPYMLKGNHQEMEGNDRYEGFCVD
MLKELAEILRFNYKIRLVGDGVYGVPEANGTWTGMVGELIARKADLAVAG
LTITAEREKVIDFSKPFMTLGISILYRVHMGRKPGYFSFLDPFSPGVWLF
MLLAYLAVSCVFLVARLTPYEWYSPHPCAQGRCNLLVNQYSLGNSLWFP
VGGFMQQGSTIAPRALSTRCVSGVWWAFTLIISSYTANLAAFLTVQRM
VPIESVDDLADQTAIEYGTIHGGSSMTFFQNSRYQTYQRMWNYMYSKQPS
VFKSTEEGIARVLNSNYAFLLESTMNEYRQRNCNLQIGGLDTKGYG
IGMPVGSVFRDEFDLAILQLQENNRLEILKRKWWEGGKCPKEEDHRAKGL
GMENIGGIFVVLICGLIVAIFMAMLEFLWTLRHSEATEVSVCQEMVTELR
SIILCQDSIHPRRRRAAVPPRPPIPEERRPRGTATLSNGKLCGAGEPDQ
LAQRLAQEAALVARGCTHIRVCPECRRFQGLRARPSPARSEESLEWEKTT

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

GRIK4

Full Name

Glutamate ionotropic receptor kainate type subunit 4

Introduction

This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

KA1; EAA1; GRIK; GluK4; glutamate receptor ionotropic, kainate 4; excitatory amino acid receptor 1; glutamate receptor KA1; glutamate receptor, ionotropic, kainate 4; GRIK4; Glutamate ionotropic receptor kainate type subunit 4

Gene ID

[2900](#)

UniProt ID

[Q16099](#)