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Product Information

MemDX™ Membrane Protein Human GABRD (Gamma-aminobutyric acid type A receptor subunit delta) Full Length

Cat. No.: **MPC0518K**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.7 kDa Human GABRD 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
GABRD

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
50.7 kDa

TMD
4

Sequence
MDAPARLLAPLLLLCAQQLRGTRAMNDIGDYVGSNLEISWLPNLDGLIAG
YARNFRPGIGGPPVNVALALEVASIDHISEANMEYTMTVFLHQSWRDSRL
SYNHTNETLGLDSRFVDKLWLPDTFIVNAKSAWFHDVTVENKLIRLQPDG
VILYSIRITSTVACDMDLAKYPMDEQECMLDLESYGYSSEDIVYYWSESQ
EHIHGLDKLQLAQFTITSYRFTTELMNFKSAGQFPRLSLHFHLRRNRGVY
IIQSYMPSVLLVAMSWVSFWISQAAVPARVSLGITTVLTMTTLMVSARSS
LPRASAIKALDVYFWICYVFVFAALVEYAFAHFNADYRKKQKAKVKVSRP
RAEMDVRNAIVLFSLSAAGVTQELAISRRQRRVPGNLMGSYRSVGVETGE
TKKEGAARSGGQGGIRARLRPIDADTIDIYARAVFPAAFAAVNVIYWAAY
AM

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

GABRD

Full Name

Gamma-aminobutyric acid type A receptor subunit delta

Introduction

Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This gene encodes the delta subunit. Mutations in this gene have been associated with susceptibility to generalized epilepsy with febrile seizures, type 5. Alternatively spliced transcript variants have been described for this gene, but their biological validity has not been determined.

Alternative Names

EJM7; EIG10; GEFSP5; gamma-aminobutyric acid receptor subunit delta; GABA(A) receptor subunit delta; GABA(A) receptor, delta; GABA-A receptor, delta polypeptide; gamma-aminobutyric acid (GABA) A receptor, delta; gamma-aminobutyric acid type A receptor delta subunit; GABRD; Gamma-aminobutyric acid type A receptor subunit delta

Gene ID

2563

UniProt ID

O14764

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