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Product Information

MemDX™ Membrane Protein Human GABRA4 (Gamma-aminobutyric acid type A receptor subunit alpha4) Full Length

Cat. No.: **MPC0512K**
This product is for research use only and is not intended for diagnostic use.

This product is a 61.6 kDa Human GABRA4 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
GABRA4

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
61.6 kDa

TMD
4

Sequence
MVSAKKVPAIALSAGVSFALLRFLCLAVCLNESPGQNQKEEKLCTENFTR
ILDSLLDGYDNRLRPGFGGPVTEVKTDIYVTSFGPVSDVEMEYTMDVFFR
QTWIDKRLKYDGPIEILRLNNMMVTKVWTPDTFFRNGKKSVSHNMTAPNK
LFRIMRNGTILYTMRLTISAECPMRLVDFPMDGHACPLKFGSYAYPKSEM
IYTWTKGPEKSVEVPKESSSLVQYDLIGQTVSSETIKSITGEYIVMTVYF
HLRRKMGYFMIQTYIPCIMTVILSQVSFWINKESVPARTVFGITTVLTMT
TLSISARHSLPKVSYATAMDWFIAVCFAFVFSALIEFAAVNYFTNIQMEK
AKRKTSKPPQEVPAAPVQREKHPEAPLQNTNANLNMRKRTNALVHSESDV
GNRTEVGNHSSKSSTVVQESSKGTPRSYLASSPNPFSRANAAETISAARA
LPSASPTSIRTGYMPRKASVGSASTRHVFGSRLQRIKTTVNTIGATGKLS
ATPPPSAPPPSGSGTSKIDKYARILFPVTFGAFNMVYWVVYLSKDTMEKS
ESLM

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

GABRA4

Full Name

Gamma-aminobutyric acid type A receptor subunit alpha4

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. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding different isoforms have been found in this gene.

Alternative Names

Gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor, alpha 4; gamma-aminobutyric acid (GABA) A receptor, alpha 4; gamma-aminobutyric acid A receptor alpha 4; gamma-aminobutyric acid type A receptor alpha4 subunit; GABRA4; Gamma-aminobutyric acid type A receptor subunit alpha4

Gene ID

2557

UniProt ID

P48169