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Product Information

MemDX™ Membrane Protein Human GABRA5 (Gamma-aminobutyric acid type A receptor subunit alpha5) expressed in HEK293T for Antibody Discovery

Cat. No.: **MP1267J**
This product is for research use only and is not intended for diagnostic use.

This product is a 48.6 kDa Human GABRA5 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
GABRA5

Protein Length
Full-length

Protein Class
Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Molecular Weight
48.6 kDa

TMD
4

Sequence
MDNGMFSGFIMIKNLLLFCISMNLSSHFGFSQMPTSSVKDETNDNITIFTRILDGLLDGYDNRLRPGLGE
RITQVRTDIYVTSFGPVSDTEMEYTIDVFFRQSWKDERLRFKGPMQRLPLNNLLASKIWTPDTFFHNGKK
SIAHNMTTPNKLLRLEDDGTLLYTMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWTNGST
KSVVVAEDGSRLNQYHLMGQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSFW
LNRESVPARTVFGVTTVLTMTTLSISARNSLPKVAYATAMDWFIAVCYAFVFSALIEFATVNYFTKRGWA
WDGKKALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSVSVKPSEEKTSESKKTYN
SISKIDKMSRIVFPVLFGTFNLVYWATYLNREPVIKGAASPK

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

GABRA5

Full Name

Gamma-aminobutyric acid type A receptor subunit alpha5

Introduction

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. Transcript variants utilizing three different alternative non-coding first exons have been described.

Alternative Names

EIEE79; GABA(A) receptor subunit alpha-5; gamma-aminobutyric acid (GABA) A receptor, alpha 5

Gene ID

2558

UniProt ID

P31644