

Product Information

MemDX™ Membrane Protein Human GABRB1 (Gamma-aminobutyric acid type A receptor subunit beta1) Full Length

Cat. No.: **MPC0515K**

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

This product is a 54.2 kDa Human GABRB1 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

GABRB1

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

54.2 kDa

TMD

4

Sequence

MWTVQNRESLGLLSFPVMITMVCCAHSSTNEPSNMSYVKETVDRLLKGYDI
RLRPDFGGPPVDVGMRIDVASIDMVSEVNMDYTLTMYFQQSWKDKRLSYS
GIPLNLTLDNRVADQLWVPDITYFLNDKKSFFVHGVTVKNRMIRLHPDGTVL
YGLRITTTAACMMDLRRYPLDEQNCTLEIESYGYTTDDIEFYWNGGEGAV
TGVNKIELPQFSIVDYKMVSKKVEFTTGAYPRLSLSFRLKRNIGYFILQT
YMPSTLITILSWVSFWINYDASAARVALGITTTLTMTTISTHLRETLPKI
PYVKAIDIYLMGCFVFVFLALLEYAFVNYIFFGKGPQKKGASKQDQSANE
KNKLEMNKVQVDAHGNILLSTLEIRNETSGSEVLTSVSDPKATMYSYDSA
SIQYRKPLSSREAYGRALDRHGVP SKGRIRRRASQLKV KIPDLTDVNSID
KWSRMFFPITFSLFNWVYWLYYVH

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**

GABRB1

Full Name

Gamma-aminobutyric acid type A receptor subunit beta1

Introduction

The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia.

Alternative Names

DEE45; EIEE45; gamma-aminobutyric acid receptor subunit beta-1; gamma-aminobutyric acid (GABA) A receptor, beta 1; gamma-aminobutyric acid type A receptor beta1 subunit; GABRB1; Gamma-aminobutyric acid type A receptor subunit beta1

Gene ID

[2560](#)

UniProt ID

[P18505](#)