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Product Information

MemDX™ Membrane Protein Human GABBR2 (Gamma-aminobutyric acid type B receptor subunit 2) for Antibody Discovery

Cat. No.: **MP0392X**
This product is for research use only and is not intended for diagnostic use.

This product is a 126.3 kDa Human GABBR2 membrane protein expressed in *in vitro* wheat germ expression system. 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
GABBR2

Protein Length
Full-length

Molecular Weight
126.3 kDa

TMD
7

Sequence
MGLMPLTKEVAKGSIGRGVLPAVELAIEQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDAIKYGPNHLMVFGGVCPSVTSIIAESLQ

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

GABBR2

Full Name

Gamma-aminobutyric acid type B receptor subunit 2

Introduction

The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity throμgh G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence

Alternative Names

HG20; GPR51; EIEE59; GPRC3B; NDPLHS; GABABR2; HRIHFB2099

Gene ID

9568

UniProt ID

O75899