

## Product Information

### MemDX™ Membrane Protein Human GABRA1 (Gamma-aminobutyric acid type A receptor subunit alpha1) for Antibody Discovery

Cat. No.: **MP0393X**

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

This product is a 78.2 kDa Human GABRA1 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

GABRA1

##### Protein Length

Full-length

##### Molecular Weight

78.2 kDa

##### TMD

4

##### Sequence

MRKSPGLSDCLWAWILLSTLTGRSYGQPSLQDELKDNTTVFTRILDRLLDGYDNRLRPGLGERVTEVKTDIFVTSFGPVSDHDMET

#### 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

GABRA1

### Full Name

Gamma-aminobutyric acid type A receptor subunit alpha1

### Introduction

This gene encodes a gamma-aminobutyric acid (GABA) receptor. 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. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for this gene

### Alternative Names

EJM; ECA4; EJM5; EIEE19

### Gene ID

[2554](#)

### UniProt ID

[P14867](#)