

## Product Information

### **MemDX™ Membrane Protein Human GABRB1 (Gamma-aminobutyric acid type A receptor subunit beta1) Expressed in Wheat germ for Antibody Discovery, Partial (28-136aa)**

Cat. No.: **MPX0058K**

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

This product is a 38 kDa Human GABRB1 membrane protein expressed in Wheat germ. 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**

Partial (28-136aa)

##### **Protein Class**

Transporter; Ion channel

##### **Molecular Weight**

38 kDa

##### **TMD**

4

##### **Sequence**

TNEPSNMPYVKETVDRLLKGYDIRLRPDFGGPPDVGMRIDVASIDMVSEVNMDYTLTMYFQQSWDKRLSYSGIPLNLTDNRVA

#### **Product Description**

##### **Expression Systems**

Wheat germ

##### **Protein Format**

Soluble

##### **Form**

Liquid

##### **Endotoxin**

<0.1 EU/µg by the LAL method

#### **Buffer**

pH: 8.00, Constituents: 0.31% Glutathione, 0.79% Tris HCl

#### **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](#)