

## Product Information

### MemDX™ Membrane Protein Human GABRB2 (Gamma-aminobutyric acid type A receptor subunit beta2) Full Length

Cat. No.: **MPC0516K**

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

This product is a 59.1 kDa Human GABRB2 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

GABRB2

##### Protein Length

Full length

##### Protein Class

Transporter; Ion channel

##### Molecular Weight

59.1 kDa

##### TMD

4

##### Sequence

MWRVRKRGYFGIWSFPLIIAAVCAQSVNDPSNMSLVKETVDRLKGYDIR  
LRPDFGGPPVAVGMNIDIASIDMVSEVNMDYTLTMYFQQAWRDKRLSYNV  
IPLNLTLDNRVADQLWVPDTYFLNDKKS FVHGVTVKNRMIRLHPDGTVLY  
GLRITTTAACMMDLRRYPLDEQNCTLEIESYGYTTDDIEFYWRGDDNAV  
GVTKIPLPQFSIVDYKLITKKVVFSTGSPRLSLSFKLKRNIYFILQTY  
MPSILITILSWVSFWINYDASAARVALGITTVLMTTINTHLRETLPKIP  
YVKAIDMYLMGCFVVFVFMALLEYALVNYIFFGRGPQRQKAAEKAASANN  
EKMRDVKIFKDIKQNGTQYRSLWDPTGNLSPTRRTTNYDFSLYTMDP  
HENILLSTLEIKNEMATSEAVMGLGDP RSTMLAYDASSIQYRKAGLPRHS  
FGRNALERHVAQKKSRLRRRASQLKITIPDLTDVNAIDRWSRIFFPVVFS  
FFNIVYWLYYVN

#### 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**

GABRB2

**Full Name**

Gamma-aminobutyric acid type A receptor subunit beta2

**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 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion.

**Alternative Names**

DEE92; ICEE2; gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2; gamma-aminobutyric acid A receptor beta 2; gamma-aminobutyric acid type A receptor beta2 subunit; GABRB2; Gamma-aminobutyric acid type A receptor subunit beta2

**Gene ID**

[2561](#)

**UniProt ID**

[P47870](#)