

Product Information

MemDX™ Membrane Protein Human GABBR2 (Gamma-aminobutyric acid type B receptor subunit 2) Full Length

Cat. No.: **MPC0107K**

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

This product is a 105.8 kDa Human GABBR2 membrane protein expressed in Baculovirus/Insect 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

Protein Class

GPCR

Molecular Weight

105.8 kDa

TMD

7

Sequence

MASPRSSGQPGPPPPPPPPARLLLLLLPLLLPLAPGAWGWARGAPRPP
PSSPPLSIMGLMPLTKEVAKGSIGRGVLPVELAIEQIRNESLLRPYFLD
LRLYDTECDNAKGLKAFYDAIKYGNHLMVFGGVCPSVTSIIAESLQGWN
LVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAILKLLKHQWKRVT
LTQDVQRFSEVRNDLTGVLYGEDIEISDTESFSNDPCTSVKKLKGNDVRI
ILGQFDQNMAAKVFCAYEENMYGSKYQWIIPGWYEPSWWEQVHTEANSS
RCLRKNLLAAMEGYIGVDFEPLSSKQIKTISGKTPQQYEREYNNKRSVG
PSKFHGYAYDGIWVIAKTLQRAMETLHASSRHQRIQDFNYTDHTLGRIL
NAMNETNFFGVTGQVFRNGERMGTIKFTQFQDSREVKVGEYNAVADTLE
IINDTIRFQGSEPPKDKTIILEQLRKISLPLYSILSALTILGMIMASAF
FFNIKRNQKLIKMSPPYMNNLIILGGMLSYASIFLFGLDGSFVSEKTFE
TLCTVRTWILTVGYTTAFGAMFAKTWRVHAIFKNVKMKKKIKDQKLLVI
VGGMLLIDLCILICWQAVDPLRRTVEKYSMEPDPAGRDISIRPLLEHCEN
THMTIWLGIYAYKGLLMLFGCFLAWETRNVSIPALNDSKYIGMSVYNVG
IMCIIGAASVFLTRDQPNVQFCIVALVIIFCSTITLCLVFVPKLITLRTN
PDAATQNRFRQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHRLRM
KITELDKDLEEVTMQLQDTPEKTTYIKQNHQELNDILNLGNFTESTDGG
KAILKNHLDQNPQLQWNTTEPSRTCKDPIEDINSPEHIQRRLSLQLPILH
HAYLPSIGGVDASCVSPCVSPTASPRHRHVPPSFRVMVSGL

Product Description

Expression Systems

Baculovirus/Insect expression system

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

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 through 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; DEE59; GPR51; EIEE59; GPRC3B; NDPLHS; GABABR2; HRIHFB2099; G-protein coupled receptor 51; GABA-B receptor 2; GABA-B receptor, R2 subunit; GABA-B-R2; GABA-BR2; gamma-aminobutyric acid (GABA) B receptor, 2; gamma-aminobutyric acid B receptor 2; gb2; GABBR2; Gamma-aminobutyric acid type B receptor subunit 2

Gene ID

[9568](#)

UniProt ID

[Q75899](#)