

Product Information

MemDX™ Membrane Protein Human GABRG2 (Gamma-aminobutyric acid type A receptor subunit gamma2) Full Length

Cat. No.: **MPC0521K**

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

This product is a 54.1 kDa Human GABRG2 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

GABRG2

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

54.1 kDa

TMD

4

Sequence

MSSPNIWSTGSSVYSTPVFSQKMTVWILLLSLYPGFTSQKSDDDYEDYA
SNKTWVLT PKVPEGDVT VILNNLLEGYDNKLRPDIGVKPTLIHTDMYVNS
IGPVNAINMEYTIDIFFAQTWYDRRLKFNSTIKVLRNLSNMVGKIWIPDT
FFRNSKKADAHWITTPNRMRLRIWNDGRVLYTLRLTIDAECQLQLHNFPMD
EHSCPLEFSSYGYPREEIVYQWKRSSVEVGDT RSWRLYQFSFVGLRNTTE
VVKTTSGDYVVM SVYFDLSRRMGYFTIQTYIPCTLIVVLSWVSFWINKDA
VPARTSLGITT VLTMTTLSTIARKSLPKVSYVTAMD L FVSVC FIFVFSAL
VEYGT LHYFVSNRKPSKDKDKKKKNPAPTIDIRPRSATI QMNNATHLQER
DEEYGYECLDGKDCASFFCCFEDC RTGAWRHGRIHIRIAKMDSYARIFFP
TAFCLFNLVYVWSYLYL

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**

GABRG2

Full Name

Gamma-aminobutyric acid type A receptor subunit gamma2

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. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene.

Alternative Names

CAE2; ECA2; FEB8; DEE74; EIEE74; GEFSP3; gamma-aminobutyric acid receptor subunit gamma-2; GABA(A) receptor subunit gamma-2; GABA(A) receptor, gamma 2; gamma-aminobutyric acid (GABA) A receptor, gamma 2; gamma-aminobutyric acid type A receptor gamma2 subunit; GABRG2; Gamma-aminobutyric acid type A receptor subunit gamma2

Gene ID

[2566](#)

UniProt ID

[P18507](#)