

Product Information

MemDX™ Membrane Protein Human GABRA4 (Gamma-aminobutyric acid type A receptor subunit alpha4) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (36-258aa)

Cat. No.: **MPX4650K**

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

This product is a 41.8kDa Human GABRA4 membrane protein expressed in *E.coli*. 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

GABRA4

Protein Length

Partial (36-258aa)

Protein Class

Transporter; Ion channel

Molecular Weight

41.8kDa

TMD

4

Sequence

QNQKEEKLCTENFTRILDSLLDGYDNRLRPGFGGPVTEVKTDIYVTSFGPVSDVEMEYTMDFVFRQTWIDKRLKYDGPPIELRLNNM

Product Description

Expression Systems

E.coli

Tag

6xHis and SUMO tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

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**

GABRA4

Full Name

Gamma-aminobutyric acid type A receptor subunit alpha4

Introduction

Gamma-aminobutyric acid (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. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding different isoforms have been found in this gene.

Alternative Names

Gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor, alpha 4; gamma-aminobutyric acid (GABA) A receptor, alpha 4; gamma-aminobutyric acid A receptor alpha 4; gamma-aminobutyric acid type A receptor alpha4 subunit; GABRA4; Gamma-aminobutyric acid type A receptor subunit alpha4

Gene ID

[2557](#)

UniProt ID

[P48169](#)