

Product Information

MemDX™ Membrane Protein Human GABRA4 (Gamma-aminobutyric acid type A receptor subunit alpha4) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX4058K**

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

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

GABRA4

Protein Length

Full Length of Mature Protein

Protein Class

Receptor

TMD

4

Sequence

QNQKEEKLCTENFTRILDSLLDGYDNRLRPGFGGPVTEVKTDIYVTSFGPVSDVEMEYTMDFFRQTWIDKRLKYDGPPIELRLNNM

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis and SUMO tag

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

GABRA4; 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; Gamma-aminobutyric acid type A receptor subunit alpha4

Gene ID

[2557](#)

UniProt ID

[P48169](#)