

Product Information

MemDX™ Membrane Protein Human mGluR1, His tag

Cat. No.: **MP1480F**

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

This product is recombinant Human mGluR1 membrane protein. 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

mGluR1

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Product Description

Tag

His tag

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

mGluR1

Full Name

Glutamate metabotropic receptor 1

Introduction

This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the

major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

MGLU1; SCA44; GPRC1A; MGLUR1; SCAR13; PPP1R85; metabotropic glutamate receptor 1; glutamate receptor, metabotropic 1; protein phosphatase 1, regulatory subunit 85

Gene ID

[2911](#)

UniProt ID

[Q13255](#)