

Product Information

MemDX™ Membrane Protein Human GPR50 (G protein-coupled receptor 50) for Antibody

Discovery

Cat. No.: **MP0467X**

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

This product is a 93.8 kDa Human GPR50 membrane protein expressed in *in vitro* wheat germ 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

GPR50

Protein Length

Full-length

Molecular Weight

93.8 kDa

TMD

7

Sequence

MGPTLAVPTPYGCIGCKLPQPEYPPALIFMFCAMVITIVVDLIGNSMVILAVTKNKKLRNSGNIFVVSLSVADMLVAIYPYPLMLHAMS

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

GPR50

Full Name

G protein-coupled receptor 50

Introduction

This gene product belongs to the G-protein coupled receptor 1 family. Even though this protein shares similarity with the melatonin receptors, it does not bind melatonin, however, it inhibits melatonin receptor 1A function through heterodimerization. Polymorphic variants of this gene have been associated with bipolar affective disorder in women

Gene ID

[9248](#)

UniProt ID

[Q13585](#)