

Product Information

MemDX™ Membrane Protein Human GPR50 (G protein-coupled receptor 50) Full Length

Cat. No.: **MPC0167K**

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

This product is a 67.3 kDa Human GPR50 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

GPR50

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

67.3 kDa

TMD

7

Sequence

MGPTLAVPTPYGCIGCKLPQPEYPPALIIFMFCAMVITIVVDLIGNSMVI
LAVTKNKKLRNSGNIFVVSLSVADMLVAIYPYPLMLHAMSIGGWDLSQLQ
CQMVGFITGLSVVGSIFNIVAIAINRYCYICHSLQYERIFSVRNTCIYLV
ITWIMTVLAVLPNMYIGTIEYDPRTYTCIFNYLNNPVFTVTIVCIHFVLP
LLIVGFCYVRIWTKVLAARDPAGQNPQNQLAEVRNFLTMTFVIFLLFAVCW
CPINVLTVLVAVSPKEMAGKIPNWLYLAAYFIAYFNSCLNAVIYGLLNEN
FRREYWTIFHAMRHPPIFFSGLISDIREMQEARTLARARAHARDQAREQD
RAHACPAVEETPMNVRNVPLPGDAAAGHPDRASGHPKPHSRSSSAYRKSA
STHHKSVFHSKAASGHLKPVSGHSPASGHPKSATVYPKPASVHFKADS
VHFKGDSVHFKPDSVHFKPASSNPKPITGHHVSAGSHSKSAFSAATSHPK
PTTGHKIPATSHAEPPTADYPKPATTSHPKPTAADNPELSASHCPEIPAI
AHPVSDDSDLPESSPAAGPTKPAASQLESDDTIADLPDPTVVTSTNDY
HDVVVIDVEDDPDEMAV

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**

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.

Alternative Names

H9; Mel1c; melatonin-related receptor; GPR50; G protein-coupled receptor 50

Gene ID

[9248](#)

UniProt ID

[Q13585](#)