

Product Information

MemDX™ Membrane Protein Mouse HTR1A (5-hydroxytryptamine (serotonin) receptor 1A)

Cat. No.: **MP0018F**

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

The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Mouse

Target Protein

HTR1A

Protein Length

Full Length

Protein Class

GPCR class A

Molecular Weight

46.1 kDa

TMD

7

Sequence

MDMFSLGQGNNNTTTSLEPFGTGGNDTGLSNVTF SYQVITSLLLGLIFCAVLGNACVVAA
IALERSLQNVANYLIGSLAVTDLMVSVLVLPMAALYQVLNKWTLGQVTCDLFIALDVLCC
TSSILHLCAIALDRYWAITDPIDYVKNKTRPRRAAALISLTWLGFLISIPPMLGWRTPE
RSNPNECTISKDHGYTIYSTFGAFYIPLLLMLVLYGRIFRAARFRIRKTVKKVEKKGAGT
SFGTSSAPPPKKSLNGQPGSGDCRRSAENRAVGTPCANGAVRQGEDDATLEVIEVHRVGN
SKGHLPLPSESGATSYVPACLERKNERTAEAKRKMALARERKTVKTLGIIMGTFILCWLP
FFIVALVLPFCESSCHMPELLGAIINWLGYSNSLLNPVIYAYFNKDFQNAFKKIIKCKFC
R

Product Description

Activity

To be tested

Application

Screening & display technologies, Antibody development, Structural Biology

Expression Systems

Cell-free expression system

Tag

Histidine tag fused to the N-terminal end of the protein

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>50% by SDS-Page and Coomassie Blue staining

Buffer

Tris 50mM, pH 7.5

Storage

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

Target**Target Protein**

HTR1A

Full Name

5-hydroxytryptamine (serotonin) receptor 1A

Introduction

This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response.

Alternative Names

Gpcr18, 5HT1A

Gene ID

[15550](#)

UniProt ID

[Q64264](#)