

Product Information

MemDX™ Membrane Protein Human HTR1A (5-hydroxytryptamine receptor 1A) Full Length

Cat. No.: **MPC0201K**

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

This product is a 46.1 kDa Human HTR1A membrane protein expressed in Baculovirus/Insect 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

HTR1A

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

46.1 kDa

TMD

7

Sequence

MDVLSPGQGNNNTTSPAPFETGGNTTGISDVTVSQVITSLLLGLIFCA
VLGNACVAAIALERSLQNVANYLIGSLAVTDLMVSVLVLPMAALYQVLN
KWTLGQVTCDLFIALDVLCCCTSSILHLCAIALDRYWAITDPIDYVKNRTP
RRAAALISLTWLIGFLISIPPM LGWRTPEDRSDPD ACTISKDHGYTIYST
FGAFYIPLLLMLVLYGRIFRAARFRIRKTVKKVEKTGADTRHGASPAPQP
KKS VNGESGSRNWRLGVESKAGGALCANGAVRQGDDGA ALEVIEVHRVGN
SKEHLPLPSEAGPTPCAPASFERKNERNAEAKRKMALARERKTVKTLGII
MGTFILCWLPFFIVALVLPFCESSCHMPTLLGAIINWLGYSNLLNPVIY
AYFNKDFQNAFKKIIKCKFCRQ

Product Description

Expression Systems

Baculovirus/Insect expression system

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**

HTR1A

Full Name

5-hydroxytryptamine 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. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers.

Alternative Names

G-21; 5HT1a; PFMCD; 5-HT1A; 5-HT-1A; ADRBRL1; ADRB2RL1; 5-HT1a receptor; 5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled; guanine nucleotide-binding regulatory protein-coupled receptor; HTR1A; 5-hydroxytryptamine receptor 1A

Gene ID

[3350](#)

UniProt ID

[P08908](#)