

Product Information

MemDX™ Membrane Protein Human HTR3B (5-hydroxytryptamine receptor 3B) Full Length

Cat. No.: **MPC1398K**

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

This product is a 50.2 kDa Human HTR3B 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

HTR3B

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

50.2 kDa

TMD

4

Sequence

MLSSVMAPLWACILVAAGILATDTHHPQDSALYHLSKQLLQKYHKEVRPV
YNWTKATTVYLDLFDVHAILDVAENQILKTSVWYQEVWNDEFLSWNSSMF
DEIREISLPLSAIWAPDIIINEFVDIERYPDLPYVYVNSSGTIENYKPIQ
VVSACSLETYAFPFQVQNCSTFKSILHTVEDVDLAFLRSPEDIQHDKKA
FLNDSEWELLSVSSTYSILQSSAGGFAQIQFNVVMRRHPLVYVVSLLIPS
IFLMLVDLGSFYLPNCRARIVFKTSVLVGYTVFRVNMSNQVPRSVGSTP
LIGHFTICMAFLVLSLAKSIVLVKFLHDEQRGGQEQPFLCLRGD TDADR
PRVEPRAQRAVVTESSLYGEHLAQPGTLKEVWSQLQSISNYLQTQDQTDQ
QEAEWLVLLSRFDRLLFQSYLFMLGIYTITLCSLWALWGGV

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**

HTR3B

Full Name

5-hydroxytryptamine receptor 3B

Introduction

The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit B of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It is not functional as a homomeric complex, but a pentaheteromeric complex with subunit A (HTR3A) displays the full functional features of this receptor.

Alternative Names

HTR3B; 5-HT3B; 5-hydroxytryptamine (serotonin) receptor 3B, ionotropic; 5-hydroxytryptamine 3 receptor B subunit; serotonin-gated ion channel subunit; 5-hydroxytryptamine receptor 3B

Gene ID

[9177](#)

UniProt ID

[O95264](#)