

Product Information

MemDX™ Membrane Protein Human HTR5A (5-hydroxytryptamine receptor 5A) Expressed in *vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3441K**

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

This product is a Human HTR5A membrane protein expressed *in vitro* *E.coli* 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

HTR5A

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MDLPVNLTFSLSTPSPLETNHSLGKDDL RPSSPLLSVFGVLIL TLLGFLVAATFAWNLLVLATILRVRTFHRVPHNLVASM MAVSDVLV

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

HTR5A

Full Name

5-hydroxytryptamine receptor 5A

Introduction

The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca²⁺ mobilization.

Alternative Names

HTR5A; 5-HT5A; 5-hydroxytryptamine receptor 5A; 5-HT-5; 5-HT-5A; 5-hydroxytryptamine (serotonin) receptor 5A, G protein-coupled; 5-hydroxytryptamine receptor 5A

Gene ID

[3361](#)

UniProt ID

[P47898](#)