

Product Information

MemDX™ Membrane Protein Human HTR5A (5-hydroxytryptamine receptor 5A) Full Length

Cat. No.: **MPC0210K**

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

This product is a 40.2 kDa Human HTR5A 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

HTR5A

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

40.2 kDa

TMD

7

Sequence

MDLPVNLT SFSLS TSPSPLE TNHSLGKDDL RPSSPLLSVFGVLILTLLGFL
VAATFAWNLLVLATILRVRTFHRVPHNLVASMVSDVLVAALVMPLSLVH
ELSGRRWQLGRRLCQLWIACDVLCTASIWNVTALDRYWSITRHMEYT
LRTRKCVSNVMIALTWALSAVISLAPLLFGWGETYSEGSEECQVSREPSY
AVFSTVGAFYLPCLCVLFFVYWKIYKAAKFRVGSRKTNVSPISEAVEVKD
SAKQPQMVFVTRHATVTFQPEGDTWREQKEQRAALMVGILIGVFVLCWIP
FFLTELISPLCSCDIPAIWKSIFLWLGYSNSFFNPLIYTAFNKNYNSAFK
NFFSRQH

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**

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

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

Gene ID

[3361](#)

UniProt ID

[P47898](#)