

Product Information

MemDX™ Membrane Protein Human HTR4 (5-hydroxytryptamine receptor 4) Full Length

Cat. No.: **MPC0209K**

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

This product is a 43.7 kDa Human HTR4 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

HTR4

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

43.7 kDa

TMD

7

Sequence

MDKLDANVSSEEGFGSVEKVVLLTFLSTVILMAILGNLLVMVAVCWDRQL
RKIKTNYFIVSLAFADLLVSVLVMPFGAIELVQDIWIYGEVFCLVRTSLD
VLLTTASIFHLCCISLDRYAICCPVYRNKMTPLRIALMLGGCWVIPT
FISFLPIMQGWNIGIIDLIEKRKFNQNSNSTYCVFMVNKPYAITCSVVA
FYIPFLMLVAYYRIYVTAKEHAHQMLQRAGASSESRPQSADQHSTHR
MRTETKAAKTLCIIMGCFCLCWAPFFVTNIVDPFIDYTPGQVWTAFLWL
GYINSGLNPFYAFNLKSFRAFLIILCCDDERYRRPSILGQTVPCSTTT
INGSTHVLRLDAVECGGQWESQCHPPATSPLVAAQPSDT

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**

HTR4

Full Name

5-hydroxytryptamine receptor 4

Introduction

This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described.

Alternative Names

5-HT4; 5-HT4R; 5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled; 5-hydroxytryptamine receptor 4 transcript variant b2; 5-hydroxytryptamine receptor 4 transcript variant b3; cardiac 5-HT4 receptor; HTR4; 5-hydroxytryptamine receptor 4

Gene ID

[3360](#)

UniProt ID

[Q13639](#)