

## Product Information

### **MemDX™ Membrane Protein Human HTR4 (5-hydroxytryptamine receptor 4) Expressed *in vitro* *E.coli* expression system, Full Length**

Cat. No.: **MPX3516K**

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

This product is a Human HTR4 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

HTR4

##### Protein Length

Full Length

##### Protein Class

GPCR

##### TMD

7

##### Sequence

MDKLDANVSSEEGFGSVEKVVLLTFLSTVILMAILGNLLVMVAVCWDRQLRKIKTNYFIVSLAFADLLVSVLVMPFGAIELVQDIWIYGI

#### 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

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

HTR4; 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; 5-hydroxytryptamine receptor 4

#### Gene ID

[3360](#)

#### UniProt ID

[Q13639](#)