

Product Information

MemDX™ Membrane Protein Human HTR6 (5-hydroxytryptamine receptor 6) Expressed in *vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3576K**

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

This product is a Human HTR6 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

HTR6

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MVPEPGPTANSTPAWGAGPPSAPGGSGWVAALCVVIALTAAANSLLIALCTQPALRNTSNFFLVSLLFTSDLMVGLVVMPAHLNA

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

HTR6

Full Name

5-hydroxytryptamine receptor 6

Introduction

This gene encodes a protein that belongs to the seven-transmembrane G protein-coupled receptor family of proteins. The encoded protein couples with the Gs alpha subunit and stimulates adenylate cyclase to activate the cyclic AMP-dependent signaling pathway. This receptor is thought to regulate cholinergic neuronal transmission in the brain. Several antidepressants and antipsychotic drugs have a high affinity for this receptor.

Alternative Names

HTR6; 5-HT6; 5-HT6R; 5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled; serotonin receptor 6; 5-hydroxytryptamine receptor 6

Gene ID

[3362](#)

UniProt ID

[P50406](#)