

## Product Information

### MemDX™ Membrane Protein Human HRH3 (Histamine receptor H3) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3579K**

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

This product is a Human HRH3 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

HRH3

##### Protein Length

Full Length

##### Protein Class

GPCR

##### TMD

7

##### Sequence

MERAPPDGPNASGALAGEAAAAGGARGFSAAWTAVLAALMALLIVATVLGNALVMLAFVADSSLRTQNNFFLLNLAISDFLVGAFC

#### 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**

HRH3

#### **Full Name**

Histamine receptor H3

#### **Introduction**

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system.

#### **Alternative Names**

HRH3; HH3R; GPCR97; G protein-coupled receptor 97; H3R; Histamine receptor H3

#### **Gene ID**

[11255](#)

#### **UniProt ID**

[Q9Y5N1](#)