

# Product Information

## MemDX™ Membrane Protein Human HRH3 (Histamine receptor H3) Full Length

Cat. No.: **MPC0199K**

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

This product is a 48.6 kDa Human HRH3 membrane protein expressed in *Komagataella pastoris*. 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

#### Molecular Weight

48.6 kDa

#### TMD

7

#### Sequence

MERAPPDGPNASGALAGEAAAAGGARGFSAAWTAVLAALMALLIVATVL  
GNALVMLAFVADSSLRTQNNFFLLNLAISDFLVGAFCIPLYVPYVLTGRW  
TFFGRGLCKLWLVDYLLCTSSAFNIVLISYDRFLSVTRAVSYRAQQGDTR  
RAVRKMLLVWVLAFLLYGPAILSWEYLSGGSSIPEGHCYAEFFYNWYFLI  
TASTLEFFTPTFLSVTFFNLSIYLNQRRTRLRDGAREAAGPEPPPEAQP  
SPPPPPGCWGCWQKGHGEAMPLHRYGVGEAAVGAEAGEATLGGGGGGGSV  
ASPTSSSGSSSRGTERPRSLKRGSKPSASSASLEKRMKVMQSFTQRFRL  
SRDRKVAKSLAVIVSIFGLCWAPYTLLMIIRAACHGHCVPDYWYETSFWL  
LWANSAVNPVLYPLCHHSFRRAFTKLLCPQKLKIQPHSSLEHCWK

### Product Description

#### Expression Systems

*Komagataella pastoris*

#### 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**

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**

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

**Gene ID**

[11255](#)

**UniProt ID**

[Q9Y5N1](#)