

# Product Information

## MemDX™ Membrane Protein Human HRH2 (Histamine receptor H2) Full Length

Cat. No.: **MPC0198K**

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

This product is a 40 kDa Human HRH2 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

HRH2

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

40 kDa

#### TMD

7

#### Sequence

MAPNGTASSFCLDSTACKITITVVLAVLILITVAGNVVVCLAVGLNRRRLR  
NLTCNCIVSLAITDLLLGLLVLPPSAIYQLSCKWSFGKVFCNIYTSLDVM  
LCTASILNLFMISLDRYCAVMDPLRYPVLPVTPVRAISLVLIIWVISITLS  
FLSIHLGWNSRNETSKGNHTTSKCKVQVNEVYGLVDGLVTYLPPLLIMCI  
TYYRIFKVARDQAKRINHISSWKAATIREHKATVLAAMGAFIICWFPPY  
FTAFVYRGLRGDDAINEVLEAIVLWLGYANSALNPILYAALNRDFRTGYQ  
QLFCCRLANRNSHKTSLSNASQLSRTQSREPRQQEEKPLKLQVWSGTEV  
TAPQGATDR

### 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**

HRH2

**Full Name**

Histamine receptor H2

**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. Histamine receptor H2 belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

H2R; HH2R; gastric receptor 1; gastric receptor I; HRH2; Histamine receptor H2

**Gene ID**

[3274](#)

**UniProt ID**

[P25021](#)