

# Product Information

## MemDX™ Membrane Protein Human HRH4 (Histamine receptor H4) Full Length

Cat. No.: **MPC0200K**

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

This product is a 44.4 kDa Human HRH4 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

HRH4

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

44.4 kDa

#### TMD

7

#### Sequence

MPDTNSTINLSLSTRVTLAFFMSLVAFAIMLGNALVILAFVVDKNLRHRS  
SYFFLNLAISDFVGVISIPLYIPHTLFEWDFGKEICVFWLTDDYLLCTA  
SVYNIVLISYDRYLSVSNVSYRTQHTGVLKIVTLMVAVWVLAFLVNGPM  
ILVSESWKDEGSECEPGFFSEWYILAITSFLEFVIPVILVAYFNMNIYWS  
LWKRDLHSRCQSHPGTLTAVSSNICGHSFRGLSSRRSLASTEVPASFHS  
ERQRRKSSLMFSSRTKMNSNTIASKMGFSFSQSDSVALHQREHVLLRARR  
LAKSLAILLGVFVWAPYSLFTIVLSFYSSATGPKSVWYRIAFWLQWFN  
SFVNPLLYPLCHKRFQKAFKIFCIKKQPLPSQHSRSVSS

### 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**

HRH4

**Full Name**

Histamine receptor H4

**Introduction**

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by a family of histamine receptors, which are a subset of the G-protein coupled receptor superfamily. This gene encodes a histamine receptor that is predominantly expressed in haematopoietic cells. The protein is thought to play a role in inflammation and allergy responses. Multiple transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

H4; H4R; BG26; HH4R; AXOR35; GPRv53; GPCR105; histamine H4 receptor; G-protein coupled receptor 105; SP9144; pfi-013; HRH4; Histamine receptor H4

**Gene ID**

[59340](#)

**UniProt ID**

[Q9H3N8](#)