

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

MERAPPDGPLNASGALAGEAAAAGGARGFSAAWTAVLAALMALLIVATVL
GNALVMLAFVADSSLRTQNNFFLLNLAISDFLVGAFCIPLYVPYVLTGRW
TFGRGLCKLWLVDYLLCTSSAFNIVLISYDRFLSVTRAVSYRAQQGDTR
RAVRKMLLVWVLAFLLYGPAILSWEYLSGGSSIPEGHCYAEFFYNWYFLI
TASTLEFFTPFLSVTFFNLSIYLNQRRTRLRLDGAREAAGPEPPPEAQP
SPPPPPGCWGCWQKGHGEAMPLHRYGVGEAAVGAEAGEATLGGGGGGGSV
ASPTSSSGSSSRGTERPRSLKRGSKPSASSASLEKRMKMSQSFTQRFRL
SRDRKVAKSLAVIVSIFGLCWAPYTLLMIIRAACHGHCVDPDYWYETSWL
LWANSVNPVLYPLCHHSFRRRAFTKLLCPQKLKIQPHSSLEHCWK

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](#)