

Product Information

MemDX™ Membrane Protein Human HRH1 (Histamine receptor H1) with GST-tag for

Antibody Discovery

Cat. No.: **MP0526X**

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

This product is a 82.2 kDa Human HRH1 membrane protein expressed in *in vitro* wheat germ 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

HRH1

Protein Length

Full-length

Molecular Weight

82.2 kDa

TMD

7

Sequence

MSLPNSSCLLEDKMCENKTTMASPQLMPLVVVLSTICLVTVGLNLLVLYAVRSEKRLHTVGNLYIVSLSVADLIVGAVVMPMNILYL

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

HRH1

Full Name

Histamine receptor H1

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. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. It has been associated with multiple processes, including memory and learning, circadian rhythm, and thermoregulation. It is also known to contribute to the pathophysiology of allergic diseases such as atopic dermatitis, asthma, anaphylaxis and allergic rhinitis. Multiple alternatively spliced variants, encoding the same protein, have been identified

Alternative Names

H1R; H1-R; HH1R; hisH1

Gene ID

[3269](#)

UniProt ID

[P35367](#)