PRODUCT INFORMATION

C-Flag Tag Tag

Target HRH1

Synonyms H1-R, H1R, HH1R, hisH1

Human HRH1 full length protein-synthetic **Description**

nanodisc **Delivery** 6~8weeks **Uniprot ID** P35367 **Expression Host HEK293**

Protein Families GPCR, Transmembrane, Druggable Genome,

GPCRDB Class A Rhodopsin-like, Monoamine **Protein Pathways**

GPCRs,

The human full length HRH1 protein has a MW of **Molecular Weight**

55.8kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 **Background** 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. [provided by RefSeq, Jan 2015]

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