SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

NativeExtract™ Human HRH1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX183**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human HRH1 protein in native nanodisc form. The synthetic compound we developed can solubilize the HRH1 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
HRH1

Protein Length
Full length

Molecular Weight
55.8kDa

Sequence
Accession # P35367

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -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; histamine H1 receptor; histamine receptor, subclass H1; HRH1; Histamine receptor H1

Gene ID

3269

UniProt ID

P35367

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com