

Product Information

MemDX™ Membrane Protein Human VIPR1 (Vasoactive intestinal peptide receptor 1)

Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX3564K**

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

This product is a Human VIPR1 membrane protein expressed *in vitro* E.coli 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

VIPR1

Protein Length

Full Length of Mature Protein

Protein Class

GPCR

TMD

7

Sequence

ARLQEECDYVQMIEVQHKQCLEEAQLENETIGCSKMWDNLTCWPATPRGQVVVLACPLIFKLFSSIQGRNVSRSCTDEGWTHLEP

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

VIPR1

Full Name

Vasoactive intestinal peptide receptor 1

Introduction

This gene encodes a receptor for vasoactive intestinal peptide, a small neuropeptide. Vasoactive intestinal peptide is involved in smooth muscle relaxation, exocrine and endocrine secretion, and water and ion flux in lung and intestinal epithelia. Its actions are effected through integral membrane receptors associated with a guanine nucleotide binding protein which activates adenylate cyclase. Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

VIPR1; II; HVR1; RDC1; V1RG; VIPR; VIRG; VAPC1; VPAC1; VPAC1R; VIP-R-1; VPCAP1R; PACAP-R2; PACAP-R-2; PACAP type II receptor; VIP and PACAP receptor 1; VIP receptor, type I; VPAC1 receptor; pituitary adenylate cyclase activating polypeptide receptor, type II; type 1 vasoactive intestinal peptide receptor; Vasoactive intestinal peptide receptor 1

Gene ID

[7433](#)

UniProt ID

[P32241](#)