

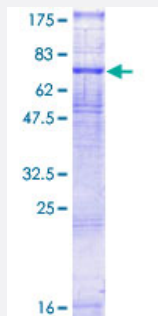
Full-Length

VIPR1 (Human) Recombinant Protein (P01)

Catalog # H00007433-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VIPR1 full-length ORF (AAH64424.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRPPSPLPARWLCVLAGALAWALGPAGGQAARLQEECDYVQMIEVQHKQCLEEAQLENETIGC
SKMWDNLTCWPATPRGQVVVLACPLIFKLFSSIQGRNVSRCTDEGWTHLEPGPYPIACGLDDK
AASLDEQQTMFYGSVKGTGYTIGYGLSLATLLVATAILSLFRKLHCTRNYIHMHLFISFILRAAAVFIKDL
ALFDSGESDQCSEGSVGCKAAMVFFQYCVMANFFWLLVEGLYLTYLLAVSFFSERKYFWGYILIG
WGV PSTFTMVWTARIHFEDYGCWDTINSSLWWIKGPILTSILVNFILFICIRILLQKL RPPDIRKSDSS
PYSRLAMSTLLLIPLFGVHYIMFAFFPDNFKPEVKMV FELVVG SFQGFV VAILYCFLNGEVQAE LRR
KWRRWHLQGVLGWNPKYRHPSGGSNGATCSTQVSMLTRVSPGARRSSSFQAEVSLV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.9

Interspecies Antigen Sequence

Mouse (84); Rat (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — VIPR1

Entrez GeneID	7433
GeneBank Accession#	BC064424.1
Protein Accession#	AAH64424.1
Gene Name	VIPR1
Gene Alias	FLJ41949, HVR1, II, PACAP-R-2, RDC1, VAPC1, VIPR, VIRG, VPAC1, VPCAP1R
Gene Description	vasoactive intestinal peptide receptor 1
Omim ID	192321
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	PACAP type II receptor VIP receptor, type II pituitary adenylate cyclase activating polypeptide receptor, type II

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Esophageal Achalasia](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Mental Disorders](#)
- [Social Perception](#)
- [Spondylitis](#)