

Recombinant Full Length Human VIPR2 Protein, C-Flag-tagged

Cat. No. VIPR2-2132HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human VIPR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.3 kDa
AA Sequence	MRTLLPPALLTCWLLAPVNSIHPECFRHLEIQEEETKCAELLRSQTEKHKACSGVWD NITCWRPANVGET VTVPCPKVFSNFYSKAGNISKNCTSDGWSETFFPDFVDACGYS DPEDESKITFYILVKAIYTLGYSVSLMS LATGSILCLFRKLHCTRNYIHLNLFSLFILRAI SVLVKDDVLYSSSGTLHCPDQPSSWVGCKLSLVFLQ YCIMANFFWLLVEGLYLHTL LVAMLPPRRCFLAYLLIGWGLPTVCIGAWTAARLYLEDTGCWDTNDHSVP WWVIRI PILISIIVNFVLFISIIIRILLQKLTSPDVGGNDQSQYKRLAKSTLLLIPLFGVHYMVFAVFPI S ISSKYQILFELCLGSFQGLVVAVLYCFLNSEVQCELKRKWRSRCPTPSASRDYRVC GSSFSRNGSEGALQ FHRGSRAQSFLQTETSVI TRTRPLEQKLISEEDLAANDILDYK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



	DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Full Length	Full L.

GENE INFORMATION

Gene Name	VIPR2 vasoactive intestinal peptide receptor 2 [Homo sapiens (human)]
Official Symbol	VIPR2
Synonyms	VPAC2; VPAC2R; VIP-R-2; VPCAP2R; PACAP-R3; DUP7q36.3; PACAP-R-3; C16DUPq36.3
Gene ID	7434

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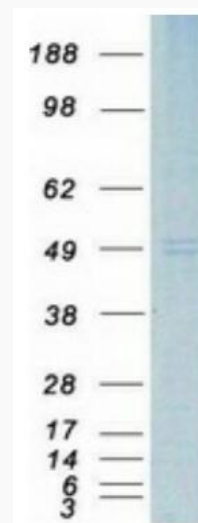
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mRNA Refseq [NM_003382.5](#)

Protein Refseq [NP_003373.2](#)

MIM [601970](#)

UniProt ID [P41587](#)



Coomassie blue staining of purified VIPR2 protein.

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