

## Product datasheet for PH303761

### VPAC2 (VIPR2) (NM\_003382) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VIPR2 MS Standard C13 and N15-labeled recombinant protein (NP_003373)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203761
Predicted MW:	49.5 kDa
Protein Sequence:	>RC203761 protein sequence Red=Cloning site Green=Tags(s)

MRTLLPPALLTCWLLAPVNSIHPECRFHLEIQEEETKCAELLRSQTEKHKACSGVWDNITCWRPANVGET  
VTVPCPKVFSNFYSKAGNISKNCTSDGWSSETFPDFVDACGYSDPEDESKITFYILVKAIYTLGYSVSLMS  
LATGSIILCLFRKLHCTRNYIHLNLFSLFILRAISVLVKDDVLYSSGTLHCPDQPSSWGCKLSLVFLQ  
YCIMANFFWLLVEGLYLHTLLVAMLPPrRCFLAYLLIGWGLPTVCIGAWTAARLYLEDTCGWDNDHSVP  
WWWIRIPILISIIIVNFVLFISIIIRILLQKLTSPDVGGNDQSQYKRLAKSTLLL IPLFGVHYMVFAVFPIS  
ISSKYQILFELCLGSFQGLVVAVLYCFLNSEVQCELKRKWRSRCPTPSASRDYRVCSSFSRNGSEGALQ  
FHRGSRAQSFLQTETSVI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003373</u>
RefSeq Size:	3961
RefSeq ORF:	1314
Synonyms:	C16DUPq36.3; DUP7q36.3; PACAP-R-3; PACAP-R3; VIP-R-2; VPAC2; VPAC2R; VPCAP2R



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Locus ID: 7434

UniProt ID: [P41587](#), [X5D7Q6](#)

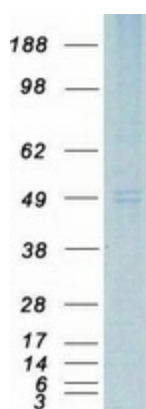
Cytogenetics: 7q36.3

**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, Aug 2011]

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified VIPR2 protein (Cat# [TP303761]). The protein was produced from HEK293T cells transfected with VIPR2 cDNA clone (Cat# [RC203761]) using MegaTran 2.0 (Cat# [TT210002]).