

Product datasheet for **SC324050**

VIP Receptor 1 (VIPR1) (NM_004624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VIP Receptor 1 (VIPR1) (NM_004624) Human Untagged Clone
Tag:	Tag Free
Symbol:	VIP Receptor 1
Synonyms:	HVR1; II; PACAP-R-2; PACAP-R2; RDC1; V1RG; VAPC1; VIP-R-1; VIPR; VIRG; VPAC1; VPAC1R; VPCAP1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004624.2
 CCCGGCCATCGCCCGCTGGTGCGCCGCCGCCAGCTCTTTGCCCGCGCGGGGCCGCCCG
 CCGCGGGCTCAGGGCAGACCATGCGCCCGCAAGTCCGCTGCCCGCCCGCTGGCTATGCG
 TGCTGGCAGGCGCCCTCGCTGGGCCCTTGGGCCGGCGGGCGGCCAGGCGGCCAGGCTGC
 AGGAGGAGTGTACTATGTGCAGATGATCGAGGTGCAGCACAAGCAGTGCCTGGAGGAGG
 CCCAGCTGGAGAATGAGACAATAGGCTGCAGCAAGATGTGGGACAACCTCACCTGCTGGC
 CAGCCACCCCTCGGGCCAGGTAGTTGTCTTGGCCTGTCCCTCATCTTCAAGCTCTTCT
 CCTCCATTCAAGCCGCAATGTAAGCCGAGCTGCACCGACGAAGGCTGGACGCACCTGG
 AGCCTGGCCCGTACCCATTGCCTGTGGTTTGGATGACAAGGCAGCGAGTTTGGATGAGC
 AGCAGACCATGTTCTACGGTCTGTGAAGACCGGCTACACCATCGGCTACGGCCTGTCCC
 TCGCCACCCTTCTGGTCGCCACAGCTATCCTGAGCCTGTTAGGAAGCTCCACTGCACGC
 GGAACACATCCACATGCACCTTTCATATCCTTCATCCTGAGGGCTGCCGCTGTCTTCA
 TCAAAGACTTGGCCCTCTCGACAGCGGGAGTCGGACCAGTGTCCGAGGGCTCGGTGG
 GCTGTAAGGCAGCCATGGTCTTTTTCCAATATTGTGCATGGCTAACTTCTTCTGGCTGC
 TGGTGGAGGGCTCTACCTGTACACCCTGTTGCCGTCTCCTTCTCTGAGCGGAAGT
 ACTTCTGGGGGTACATACTCATCGGCTGGGGGTACCCAGCACATTCACCATGGTGTGGA
 CCATCGCCAGGATCCATTTTGGAGATTATGGGTGCTGGGACACCATCAACTCCTCACTGT
 GGTGGATCATAAAGGGCCCCATCCTCACCTCCATCTTGGTAAACTTCATCCTGTTTATTT
 GCATCATCCGAATCCTGCTTCAGAACTGCGGCCCCAGATATCAGGAAGAGTGACAGCA
 GTCCATACTCAAGGCTAGCCATGTCCACACTCCTGCTGATCCCCCTGTTTGGAGTAACT
 ACATCATGTTTCGCTTCTTTCCGGACAATTTAAGCCTGAAGTGAAGATGGTCTTTGAGC
 TCGTCGTGGGGTCTTTCCAGGGTTTTGTGGTGGCTATCCTCTACTGCTTCTCAATGGTG
 AAGTGCAGGCGGAGCTGAGGCGGAAGTGGCGGCGCTGGCACCTGCAGGGCGTCTGGGCT
 GGAACCCCAAATACCGGCACCCGTCGGGAGGCAGCAACGCGCCACGTGCAGCACGCAAG
 TTTCCATGCTGACCCGCTCAGCCAGGTGCCCGCGCTCCTCCAGCTTCCAAGCCGAAG
 TCTCCCTGGTCTGACCACCAGGATCCCAGGGGCCAAGCGGCCCTCCCAGCCCTTCCC
 ACTCACCCCGGCAGACGCCGGGACAGAGGCTGCCCGGGCGCGGCCAGCCCGGCCCTG
 GGCTCGGAGGCTGCCCGGCCCTGGTCTCTGGTCCGGACACTCCTAGAGAACGCAGC
 CCTAGAGCCTGCCTGGAGCGTTTCTAGCAAGTGAAGAGATGGGAGCTCCTCTCTGGAG
 GGTTCAGGTGGAATCAGTCACTAGACTCCTCCTCAAAGGCCCTACGCCAATCAAG
 GGCAAAAAGTCTACATACTTTCATCCTGACTCTGCCCTGCTGGCTCTTCTGCCAATT
 GGAGGAAAGCAACCGGTGGATCCTCAAACAACACTGGTGTGACCTGAGGGCAGAAAGTT
 CTGCCCGGAAGGTCACCAGCACCAACACCACGGTAGTGCCTGAAATTTACCATTGCTG
 TCAAGTTCCTTTGGGTTAAGCATTACCACTCAGGCATTTGACTGAAGATGCAGCTCACTA
 CCCCATTCTCTTTACGCTTAGCTATCAGCTTTTCAAAGTGGGTATTCTGGAGTTTTT
 GTTTGGAGAGCACACCTATCTTAGTGGTCCCCACCGAAGTGGACTGGCCCTGGGTGAG
 TCTGGTGGGAGGACGGTGAACCAAGGACTGAGGACTCTGAAGCCTCTGGGAAATGAG
 AAGGCAGCCACCAGCGAATGCTAGGTCTCAGACTAAGCCTACCTGCTCTCAAGTCTCAG
 TGGCTTCACTGTCAAGTGGGATCTGTACACCAGCCATTCTTATCTCTCTGTGCTGGG
 AAGCAACAGGAATCAAGAGCTGCCCTCCTTGTCCACCCACCTATGTGCCAACTGTTGTAA
 CTAGGCTCAGAGATGTGACCCATGGGCTCTGACAGAAAGCAGATACCTACCCTGCTAC
 ACATACAGGATTTGAACTCAGATCTGTCTGATAGGAATGTGAAAGCACAGACTCTTACTG
 CTAACCTTTGTGTATCGTAACCAGCCAGATCCTCTTGGTTATTTGTTTACCATTGTATT
 ATTAATGCCATTATCCCTGAATCCCCCTTGCCACCCACCCTCCCTGGAGTGTGGCTGAG
 GAGGCTCCATCTCATGTATCATCTGGATAGGAGCCTGCTGGTCACAGCCTCCTGTCT
 GCCCTTACCCAGTGGCCACTCAGCTTCTACCCACACCTCTGCCAGAAGATCCCCTCA
 GGACTGCAACAGGCTTGTGCAACAATAAATGTTGGCTTGGAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_004624

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_004624.2</u> , <u>NP_004615.2</u>
RefSeq Size:	2771 bp
RefSeq ORF:	1374 bp
Locus ID:	7433
UniProt ID:	<u>P32241</u>
Cytogenetics:	3p22.1
Domains:	7tm_2, HormR
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>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. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>