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Product datasheet for SC124135

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004624, the custom clone sequence may differ by one or more nucleotides

ATGCGCCCGCCAAGTCCGCTGCCCGCCCGCTGGCTATGCGTGCTGGCAGGCGCCCTCGCCTGGGCCCTTG
GGCCGGCGGGCGGCCAGGCGGCCAGGCTGCAGGAGGAGTGTGACTATGTGCAGATGATCGAGGTGCAGCA
CAAGCAGTGCCTGGAGGAGGCCCAGCTGGAGAATGAGACAATAGGCTGCAGCAAGATGTGGGACAACCTC
ACCTGCTGGCCAGCCACCCCTCGGGGCCAGGTAGTTGTCTTGGCCTGTCCCCTCATCTTCAAGCTCTTCT
CCTCCATTCAAGGCCGCAATGTAAGCCGCAGCTGCACCGACGAAGGCTGGACGCACCTGGAGCCTGGCCC
GTACCCCATTGCCTGTGGTTTGGATGACAAGGCAGCGAGTTTGGATGAGCAGCAGACCATGTTCTACGGT
TCTGTGAAGACCGGCTACACCATTGGCTACGGCCTGTCCCTCGCCACCCTTCTGGTCGCCACAGCTATCC
TGAGCCTGTTCAGGAAGCTCCACTGCACGCGGAACTACATCCACATGCACCTCTTCATATCCTTCATCCT
GAGGGCTGCCGCTGTCTTCATCAAAGACTTGGCCCTCTTCGACAGCGGGGAGTCGGACCAGTGCTCCGAG
GGCTCGGTGGGCTGTAAGGCAGCCATGGTCTTTTTCCAATATTGTGTCATGGCTAACTTCTTCTGGCTGC
TGGTGGAGGGCCTCTACCTGTACACCCTGCTTGCCGTCTCCTTCTTCTCTGAGCGGAAGTACTTCTGGGG
GTACATACTCATCGGCTGGGGGGTACCCAGCACATTCACCATGGTGTGGACCATCGCCAGGATCCATTTT
GAGGATTATGGGTGCTGGGACACCATCAACTCCTCACTGTGGTGGATCATAAAGGGCCCCATCCTCACCT
CCATCTTGGTAAACTTCATCCTGTTTATTTGCATCATCCGAATCCTGCTTCAGAAACTGCGGCCCCCAGA
TATCAGGAAGAGTGACAGCAGTCCATACTCAAGGCTAGCCAGGTCCACACTCCTGCTGATCCCCCTGTTT
GGAGTACACTACATCATGTTCGCCTTCTTTCCGGACAATTTTAAGCCTGAAGTGAAGATGGTCTTTGAGC
TCGTCGTGGGGTCTTTCCAGGGTTTTGTGGTGGCTATCCTCTACTGCTTCCTCAATGGTGAGGTGCAGGC
GGAGCTGAGGCGGAAGTGGCGGCGCTGGCACCTGCAGGGCGTCCTGGGCTGGAACCCCAAATACCGGCAC
CCGTCGGGAGGCAGCAACGGCGCCACGTGCAGCACGCAGGTTTCCATGCTGACCCGCGTCAGCCCAGGTG
CCCGCCGCTCCTCCAGCTTCCAAGCCGAAGTCTCCCTGGTCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004624 unedited
TTACGTCAAACACCCGCCCGTTGCCNCATAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA
TATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCG
GCCGCGAATTCGGCACGAGGCCAGCGCCACTCTGCCAGGCTCCCGGCCATCGCCCGCCTG
GTGCGCCGCCCGCCAGCTCTTTGCCCGCGCGGGGCCGCCCGCCGCGGGCTCAGGGCAGAC
CATGCGCCCGCCAAGTCCGCTGCCCGCCCGCTGGCTATGCGTGCTGGCAGGCGCCCTCGC
CTGGGCCCTTGGGCCGGCGGGCGGCCAGGCGGCCAGGCTGCAGGAGGAGTGTGACTATGT
GCAGATGATCGAGGTGCAGCACAAGCAGTGCCTGGAGGAGGCCCAGCTGGAGAATGAGAC
AATAGGCTGCAGCAAGATGTGGGACAACCTCACCTGCTGGCCAGCCACCCCTCGGGGCCA
GGTAGTTGTCTTGGCCTGTCCCCTCATCTTCAAGCTCTTCTCCTCCATTCAAGGCCGCAA
TGTAAGCCGCAGCTGCACCGACGAAGGCTGGACGCACCTGGAGCCTGGCCCGTACCCCAT
TGCCTGTGGTTTGGATGACAAGGCAGCGAGTTTGGATGAGCAGCAGACCATGTTCTACGG
TTCTGTGAAGACCGGCTACACCATTGGCTACGGCCTGTCCCTCGCCACCCTTCTGGTCGC
CACAGCTATCCTGAGCCTGTTCAGGAAGCTCCACTGCACGCGGAACTACATCCACATGCA
CCTCTTCATATCCTTCATCCCTGAGGCTGCCGCTGTCTTCATCAAAGACTTGGNNCCTCT
CGACAGCGGGGAGTCGGACCAGTGCTCCGAGGGCTCGTTGGGCTGTAAGGCANCCATGGT
CTTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004624 unedited
CTTCCACGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTC
AGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCC
AAGCCAACATTTATTGTTGCACAAGCCTGTTGCAGTCCTGAGGGGATCTTCTGGCAGAGG
TGTGGGTAGGAAGCTGAGTGGCCACTGGGGTGAAGGGCAGACAGAGGAGGCTGTGACCAG
CAGGCTCCTATCCAGATGATACATGAGATGGAGGCCTCCTCAGCCACACTCCAGGGAGGG
TGGGGTGGCAAGGGGGATTCAGGGATAATGGCATTAATAATACAAGTGGTAAACAAATAA
CCAAGAGGATCTGGCTGGTTACGATACACAAAAGTTAGCAGTAAGAGTCCGTGCTTTCAC
ATTCCTATCAGACAGATCTGAGTTCAAATCCTGTATGTGTAGCAGGGTGAGGTATCTGCT
TTCTGTCAGAGCCCATGGGTGCACATCTCTGAGCCTAGTTACAACAGTTGGCACATAGGT
GGGTGGACAAGGAGGGCAGCTCTTGATTCCTGTTGCTTCCACAGCACAGAGAGATAAGTA
TGGCTGGTGTGACAGATCCCACTTGACAGATGAAACCACTGAGACTTGGAGAGCAGGTAG
GCTTAGTCCGAGACCTAGCATTCGCTGGTGGCTGCCTTCTCATTTC

Restriction Sites: ECoRI-NOT

ACCN: NM_004624

Insert Size: 2800 bp

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).

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:	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:	NM_004624.2, NP_004615.2
RefSeq Size:	2771 bp
RefSeq ORF:	1374 bp
Locus ID:	7433
UniProt ID:	P32241
Cytogenetics:	3p22.1
Domains:	7tm_2, HormR
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011] 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.