

Product datasheet for **RC234030**

VIP Receptor 1 (VIPR1) (NM_001251882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VIP Receptor 1 (VIPR1) (NM_001251882) Human Tagged ORF Clone
Tag:	Myc-DDK
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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234030 representing NM_001251882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGATCGAGGTGCAGCACAAAGCAGTGCCTGGAGGAGGCCAGCTGGAGAATGAGACAATAGGCTGCAGCA
 AGATGTGGGACAACCTCACCTGCTGGCCAGCCACCCCTCGGGGCCAGGTAGTTGTCTTGGCCTGTCCCT
 CATCTTCAAGCTCTTCTCCTCCATTCAAGGCCGCAATGTAAGCCGAGCTGCACCGACGAAGGCTGGACG
 CACCTGGAGCCTGGCCGTACCCATTGCCTGTGGTTTGGATGACAAGGCAGCGAGTTTGGATGAGCAGC
 AGACCATGTTCTACGTTTCTGTGAAGACCGGTACACCATTGGCTACGGCCTGTCCCTCGCCACCCTTCT
 GGTGCGCCACAGTATCCTGAGCCTGTTCAAGGAAGCTCCACTGCACGCGGAACATACATCCACATGCACCTC
 TTCATATCCTTCATCCTGAGGGTGCCTGTCTTCATCAAAGACTTGGCCCTCTTCGACAGCGGGGAGT
 CGGACCAGTGCTCCGAGGGCTCGGTGGGCTGTAAGGCAGCCATGGTCTTTTCCAATATTGTGTCATGGC
 TAACTTCTTCTGGCTGCTGGTGGAGGGCTCTACCTGTACACCCTGCTTGCCGTCTCCTTCTTCTGAG
 CGGAAGTACTTCTGGGGGTACATACTCATCGGCTGGGGGTACCCAGCACATTACCATGGTGTGGACCA
 TCGCCAGGATCCATTTTGAAGATTATGGGTGCTGGGACACCATCAACTCCTCACTGTGGTGGATCATAAA
 GGGCCCCATCCTCACCTCCATCTTGGTAACTTCATCCTGTTTATTTGCATCATCCGAATCCTGCTTCAG
 AAAGTGCAGCCCCAGATATCAGGAAGAGTGACAGCAGTCCATACTCAAGGCTAGCCAGGTCCACACTCC
 TGCTGATCCCCCTGTTTGGAGTACACTACATCATGTTTCGCTTCTTTCCGGACAATTTAAGCCTGAAGT
 GAAGATGGTCTTTGAGCTCGTCGTGGGGTCTTTCCAGGGTTTGTGGTGGCTATCCTCTACTGCTTCCTC
 AATGGTGAAGTGCAGGCGGAGCTGAGGCGGAAGTGGCGGCGCTGGCACCTGCAGGGCGTCTGGGCTGGA
 ACCCAAAATACCGGCACCCGTGGGAGGCAGCAACGGCGCCACGTGCAGCACGCAGGTTTCCATGCTGAC
 CCGCGTCAGCCCAGGTGCCCGCCGCTCTCCAGCTTCCAAGCCGAAGTCTCCCTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234030 representing NM_001251882
 Red=Cloning site Green=Tags(s)

MIEVQHKQCLEEAQLENETIGCSKMWDNLTCPATPRGQVVVLACPLIFKLFSSIQGRNVSRSCTDEGWT
 HLEPGPYPIACGLDDKAASLDEQQTMFYGSVKTYGTIGYGLSLATLLVATAILSLFRKLHCTRNYYHMH
 FISFILRAAAVFIKDLALFDSGESDQCSEGSVGCKAAMVFFQYCVMANFFWLLVEGLYLYTLLAVSFFSE
 RKYFWGYILIGWVPSTFTMVWTIARIHFEDYGCWDTINSSLWWIIGPIILTSILVNFILFICIRILLQ
 KLRPPDIRKSDSSPYSLARSTLLLIPLFGVHYIMFAFFPDNFKPEVKMVFELVVGVSFQGFVVAILYCFL
 NGEVQAE LRKWRRLQGVLGWNPKYRHPSGGSNGATCSTQVSMLTRVSPGARRSSSFQAEVSLV

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001251882

ORF Size: 1248 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001251882.1](#), [NP_001238811.1](#)

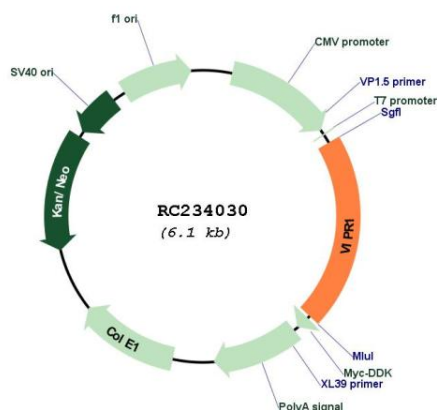
RefSeq Size: 3185 bp

RefSeq ORF: 1251 bp

Locus ID: 7433

UniProt ID:	<u>P32241</u>
Cytogenetics:	3p22.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	47.7 kDa
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]

Product images:



Circular map for RC234030