

Product datasheet for **RR211412**

Vipr1 (NM_012685) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vipr1 (NM_012685) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vipr1
Synonyms:	PACAP-R-2; PACAP-R2; RATVASREC; RGD1564352; VASREC; VIP-R-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR211412 representing NM_012685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCCCTCCGAGCCACCGCATGTCCGCTGGCTCTGCGTGCTGGCAGGAGCCCTGCCTGCGCCCTCA
 GACCCGCGGGCAGCCAGGCAGCCAGCCCGCAGCAGAGTGTGAGTACCTGCAGTTGATTGAGATACAGCG
 TCAGCAGTGCCTGGAGGAGGCCAGCTGGAGAATGAAACACAGGCTGCAGCAAGATGTGGGACAACCTC
 ACCTGCTGGCCGACAACCCCGAGGGGCCAGGCGGTAGTCTGGACTGCCCCCTCATCTTTTCAGCTGTTTG
 CCCCCATTCATGGTTATAACATCAGCCGTAGTGCAGTGAAGAGGGCTGGTCACAACCTGGAACAGGCC
 CTACCACATTGCCTGCGGCTGAATGACAGGGCATCGAGTCTGGATGAGCAGCAACAGACCAAGTTCTAC
 AATACCGTGAAGACCGGTACACCATCGGCTACAGCTTGTCCCTTCCAGCCTCCTGGTTGCCATGGCTA
 TCTTGAGCCTGTTAGGAAGCTGACTGTACCCGAAACTACATCCACATGCATCTCTTCATGTCCTTCAT
 CCTGAGGGCCACTGCCGCTTTCATCAAGGATATGGCCCTTCAACAGCGGGGAGATAGACCACTGCTCT
 GAGGCCTCGGTGGGTGCAAGGCAGCGGTGTTTTCTTCCAGTATTGTGTGATGGCAACTTCTTCTGGC
 TGCTGGTAGAGGGCTCTACCTATACACCTGCTGGCCGCTCCTTCTTCTCCGAGCGGAAGTACTTCTG
 GGGTACATTCTCATCGGCTGGGAGTGCCAGTGTGTTTCATCACCATATGGACGGTCTGTCAGGATATAT
 TTTGAGGATTCGGGTGCTGGGACCATCATCAACTCCTCCCTGTGGTGGATCAAAAGGCCCCCATCC
 TCCTCTCCATCCTGGTGAACCTCGTCTGTTTATCTGCATCATCCGGATCCTGGTTCAGAAACTACGGCC
 ACCCGACATTGGGAAGAATGATAGCAGCCATATTCGAGGCTGGCAAGTCCACGCTTCTGCTCATCCCC
 CTGTTTGAATCACTATGTCATGTTTGCCTTCTCCCGACAACCTCAAGGCCAGGTGAAAATGGTCT
 TCGAACTTGTCTGGGCTCTTCCAGGGTTCGTTGGTGGCCATCCTCTACTGCTTCTCAATGGTGGGT
 GCAGGCGGAGCTGCGGCGGAAGTGGCGGTTGGCATCTGCAGGGCGTCCCTGGGCTGGAGCTCCAATCC
 CAGCATCCGTGGGAGGCAGCAACGCGCCACATGCAGCACGAGGTATCCATGCTGACCCGCTCAGCC
 CGAGCGCACGCCCTCTCCAGCTTCCAAGCGAGGTCTCCCTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211412 representing NM_012685
 Red=Cloning site Green=Tags(s)

MRPPSPPHVRWLCVLAGALACALRPAGSQAAASPQHECEYLQLIEIQRQQCLEEAQLENETTGCCKMWDNL
 TCWPTTPRGQAVVLDCLIFQLFAPIHGYNISRCTEEGWSQLEPGPYHIACGLNDRASSLDEQQQTKFY
 NTVKTYGTYGYSLSLASLLVAMAILSLFRKLHCTRNYIHMHLFMSFILRATAVF IKDMALFNSGEIDHCS
 EASVGC AAVVFFQYCVMANFFWLLVEGLYLYTLLAVSFFSERKYFWGYILIGWVPSVFIITWTVVRIY
 FEDFGCWDTIINSSLWWI IKAPILLSILVNFVLFICIIRILVQKLRPPDIGKNDSSPYSRLAKSTLLLIP
 LFGIHYVMFAFFPDNFKAQVKMFELVVGFSQGFVVAIILYCFLNGEVQAE LRRKWRRLHQLGVLGWSSKS
 QHPWGGSNATCSTQVSMLTRVSPSARRSSSFQAEVSLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2443_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_012685

ORF Size: 1377 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_012685.2](#), [NP_036817.1](#)

RefSeq Size: 4945 bp

RefSeq ORF: 1380 bp

Locus ID: 24875

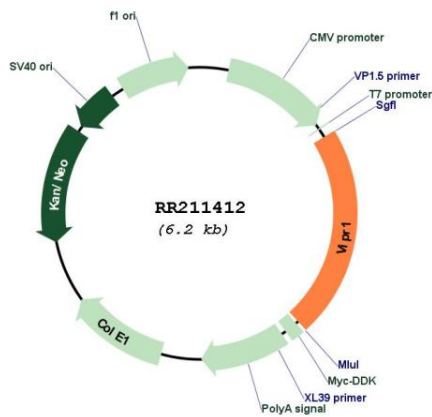
UniProt ID: [P30083](#)

Cytogenetics: 8q32

MW: 52.5 kDa

Gene Summary: transmembrane receptor for vasoactive intestinal polypeptide (VIP); associated with a G-protein which activates adenylate cyclase [RGD, Feb 2006]

Product images:



Circular map for RR211412