

Product datasheet for **MG221674**

Vipr1 (NM_011703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vipr1 (NM_011703) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vipr1
Synonyms:	AV071699; VIP-R1; VPAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221674 representing NM_011703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCGCCCTCCGAGCCTACCGCCTGCCCGCTGGCTCTGCGTGCTGGCAGGAGCCCTCGCCTGCGCCCTCG
 GACCCGCGGGCAGCCGGGCAGCCAGCCACACAGGAGTGTGAGTACCTGCAGATGATTGAGAAACAGCG
 TCAGCAGTGCCTGGAGGAGGCCAGCTGGAGAATGAAACACAGGCTGCAGCAAGATGTGGGACAACTC
 ACCTGCTGGCCAACGACCCCTTGGGGCCAGGTGGTAGTCTGGACTGCCCCCTCATCTTTCAACTGTTTT
 CCCCCATTACGGCTATAACATCAGCCGTAAGTGCAGTGAAGAAGGCTGGTCACAAGTGAACCTGGCCC
 CTACCACATTGCCTGCGGCTGAATGACAGGGCATCTAGTATGGATGAGCAGCAACAGACTGAGTTCTAC
 GATGCAGTGAAGACCGGTACACCATCGGCTACAGCTTGCCCTGCCAGCCTCTGGTTGCCATGGCTA
 TCTTGAGCCTGTTGAGGAAGCTGCACTGTACTCGAACTACATCCACATGCATCTCTTCATGTCCTTCAT
 CCTGAGGGCCACCGCGTCTTCATCAAGGATATGGCCCTCTTCAACAACGGGAGACAGACCACTGCTCT
 GAGGCCTCGGTGAGCTGCAAGGCAGCAGTGGTTTTCTTCCAGTATTGCGTCATGGCCAACCTCTCTGGC
 TGCTGGTCGAGGGCCTCTACCTACACACCTGTGGCCGTCTCCTTCTTCTCTGAGCGGAAGTACTTCTG
 GGGGTACATACTCATCGGCTGGGAGTGGCCAGTGTGTTTCATCATGATATGGACGATTGTGAGGATCCAT
 TTTGAGGATTTTCGGGTGCTGGGACCATCATCAACTCCTCACTGTGGTGGATCATAAAGGGCCCCATCC
 TCATCTCCATCTTGGTGAAGTTCATCCTGTTTATCTGCATCATCCGAATCCTGGTTCAGAAGCTACGGCC
 ACCCGACATTGGGAAGAATGATAGCAGCCATACTCGAGGCTGGCCAAGTCCACACTTCTGCTCATCCCT
 CTGTTTGGAGTTCATATGTCATGTTTGCCTTCTTCCCGACAACCTTAAGGCCAGGTGAAAATGGTCT
 TTGAACTCGTCGTAGGGTCTTTCAGGGTTTTGTGGTGGCCATCCTCTACTGCTTCTCAATGGCAGGT
 GCAGGCAGAGCTGCGACGGAAGTGGCGGCTTGGCATCTGCAGGGCGTCTGGGCTGGAGCTCAAATCA
 CAACACCGTGGGAGGCAGCAACGGCGTCTCGTGCAGCACAGGTGTCCATGCTGACCGCGTCAGCC
 CGAGCGCGCGCGCTCTCCAGCTTCCAAGCGAGGTCTCCCTGGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

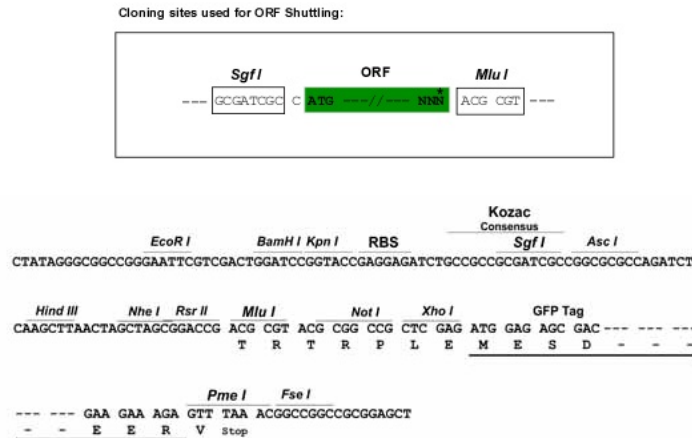
>MG221674 representing NM_011703
 Red=Cloning site Green=Tags(s)

MRPPSLPPARWLCVLAGALACALGPAGSRAASPHQECEYLQMIKQRQQCLEEAQLENETTGC SKMWDNL
 TCWPTTPWGQVVVLDCLIFQLFSPIHGYNISRNCTEEGWSQLEPGPYHIACGLNDRASSMDEQQQTEFY
 DAVKTYGTIGYSLASLLVAMAILSLFRKLHCTRNYIHMHLFMSFILRATAVFIKDMALFNGETDHCS
 EASVSCKAAVVFQYCVMANFFWLLVEGLYLHTLLAVSFFSERKYFWGYILIGWGVPSVFIWIWTVRIH
 FEDFGCWDTIINSSLWWIIGPILISILVNFILFICIRILVQKLRPDPDGKNDSSPYSLAKSTLLIP
 LFGVHYVMFAFFPDNFKAQVKMFELVGSFQGFVVAILYCFLNGEVQAELRRKWRRWHLQGVLGWSSKS
 QHPWGGSNVSCSTQVSMLTRVSPSARRSSSFQAEVSLV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_011703

ORF Size: 1377 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_011703.4](#), [NP_035833.2](#)

RefSeq Size: 4929 bp

RefSeq ORF: 1380 bp

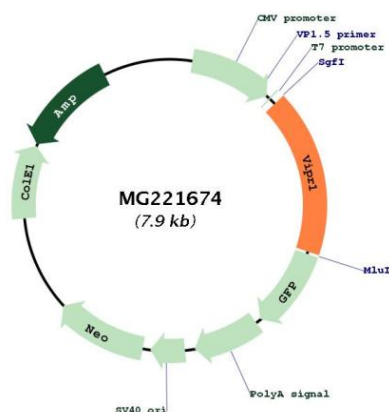
Locus ID: 22354

UniProt ID: [P97751](#)

Cytogenetics: 9 72.5 cM

Gene Summary: This is a receptor for VIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221674