OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC239967

ADNP (NM_001282531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADNP (NM_001282531) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADNP
Synonyms:	ADNP1; HVDAS; MRD28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239967 representing NM_001282531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCAACTTCCTGTCAACAATCTTGGCAGTTTAAGAAAAGCCCGGAAAACTGTGAAAAAAATACTTA
GTGACATTGGGTTGGAATACTGTAAAGAACATATAGAAGATTTTAAACAATTTGAACCTAATGACTTTTA
TTTGAAAAACACTACATGGGAGGATGTAGGACTGTGGGACCCATCACTTACGAAAAACCAGGACTATCGG
ACAAAACCTTTCTGCTGCAGCGCTTGTCCATGTTCCTCAAAATTCTTCTCTGCCTACAAAAGTCATTTCC
GCAATGTCCATAGTGAAGACTTTGAAAATAGGATTCTCCTTAATTGCCCCTACTGTACCTTCAATGCAGA
CAAAAAGACTTTGGAAACACACATTAAAATATTTCATGCTCCGAACGCCAGCGCACCAAGTAGCAGCCTC
AGCACTTTCAAAGATAAAAACAAAAATGATGGCCTTAAACCTAAGCAGGCTGACAGTGTAGAGCAAGCTG
TTTATTACTGTAAGAAGTGCACTTACCGAGATCCTCTTTATGAAATAGTTAGGAAGCACATTTACAGGGA
ACATTTTCAGCATGTGGCAGCACCTTACATAGCAAAGGCAGGAGAAAAATCACTCAATGGGGCAGTCCCC
TTAGGCTCGAATGCCCGAGAAGAGAGTAGTATTCACTGCAAACGATGCCTTTTCATGCCAAAGTCCTATG
AAGCTTTGGTACAGCATGTCATCGAAGACCATGAACGTATAGGCTATCAGGTCACTGCCATGATTGGGCA
CACAAATGTAGTGGTTCCCCGATCCAAACCCTTGATGCTAATTGCTCCCAAACCTCAAGACAAGAAGAGC
ATGGGACTCCCACCAAGGATCGGTTCCCTTGCTTCTGGAAATGTCCGGTCTTTACCATCACAGCAGATGG
TGAATCGACTCTCAATACCAAAGCCTAACTTAAATTCTACAGGAGTCAACATGATGTCCAGTGTTCATCT
GCAGCAGAACAACTATGGAGTCAAATCTGTAGGCCAGGGTTACAGTGTTGGTCAGTCAATGAGACTGGGT
CTAGGTGGCAACGCACCAGTTTCCATTCCTCAACAATCTCAGTCTGTAAAGCAGTTACTTCCAAGTGGAA
ACGGAAGGTCTTATGGGCTTGGGTCAGAGCAGAGGTCCCAGGCACCAGCAAGATACTCCCTGCAGTCTGC
TAATGCCTCTTCTCTCTCATCGGGCCAGTTAAAGTCTCCTTCCCTCTCTCAGTCACAGGCATCCAGAGTG
TTAGGTCAGTCCAGTTCCAAACCTGCTGCAGCTGCCACAGGCCCTCCCCCAGGTAACACTTCCTCAACTC
AAAAGTGGAAAATATGTACAATCTGTAATGAGCTTTTTCCTGAAAATGTCTATAGTGTGCACTTCGAAAA
AGGACATAAAGCTGAGAAAGTCCCAGCAGTAGCCAACTACATTATGAAAATACACAATTTTACTAGCAAA

View online »

TGCCTCTACTGTAATCGCTATTTACCCACAGATACTCTGCTCAACCATATGTTAATTCATGGTCTGTCTT
GTCCATATTGCCGTTCAACTTTCAATGATGTGGAAAAGATGGCCGCACACATGCGGATGGTTCACATTGA
TGAAGAGATGGGACCTAAAACAGATTCTACTTTGAGTTTTGATTTGACATTGCAGCAGGGTAGTCACACT
AACATCCATCTCCTGGTAACTACATACAATCTGAGGGATGCCCCAGCTGAATCTGTTGCTTACCATGCCC
AAAATAATCCTCCAGTTCCTCCAAAGCCACAGCCAAAGGTTCAGGAAAAGGCAGATATCCCTGTAAAAAG
TTCACCTCAAGCTGCAGTGCCCTATAAAAAAGATGTTGGGAAAACCCTTTGTCCTCTTTGCTTTTCAATC
CTAAAAGGACCCATATCTGATGCACTTGCACATCACTTACGAGAGAGGCACCAAGTTATTCAGACGGTTC
ATCCAGTTGAGAAAAAGCTCACCTACAAATGTATCCATTGCCTTGGTGTGTATACCAGCAACATGACCGC
CTCAACTATCACTCTGCATCTAGTTCACTGCAGGGGCGTTGGAAAGACCCAAAATGGCCAGGATAAGACA
AATGCACCCTCTCGGCTTAATCAGTCTCCAAGTCTGGCACCTGTGAAGCGCACTTACGAGCAAATGGAAT
TTCCCTTACTGAAAAAACGAAAGTTAGATGATGATAGTGATTCACCCAGCTTCTTTGAAGAGAAGCCTGA
AGAGCCTGTTGTTTTAGCTTTAGACCCCAAGGGTCATGAAGATGATTCCTATGAAGCCAGGAAAAGCTTT
CTAACAAAGTATTTCAACAAACAGCCCTATCCCACCAGGAGAGAAATTGAGAAGCTAGCAGCCAGTTTAT
GGTTATGGAAGAGTGACATCGCTTCCCATTTTAGTAACAAAAGGAAGAAGTGTGTCCGTGATTGTGAAAA
GTACAAGCCTGGCGTGTTGCTGGGGTTTAACATGAAAGAATTAAATAAAGTCAAGCATGAGATGGATTTT
GACGCTGAGTGGCTATTTGAAAATCATGATGAGAAGGATTCCAGAGTCAATGCTAGTAAGACTGCTGACA
AAAAGCTCAACCTTGGGAAGGAAGATGACAGTTCCTCAGACAGTTTTGAAAATTTGGAAGAAGAATCCAA
TGAAAGTGGTAGCCCTTTTGACCCTGTTTTTGAAGTTGAACCTAAAATCTCTAACGATAACCCAGAGGAA
CATGTACTGAAGGTAATTCCTGAGGATGCTTCAGAATCTGAGGAGAAGCTAGACCAAAAAGAGGATGGTT
CAAAATACGAAACTATTCATTTGACTGAGGAACCAACCAAACTAATGCACAATGCATCTGATAGTGAGGT
TGACCAAGACGATGTTGTTGAGTGGAAAGACGGTGCTTCTCCATCTGAGAGTGGGCCTGGATCCCAACAA
GTGTCAGACTTTGAGGACAATACCTGCGAAATGAAACCAGGAACCTGGTCTGACGAGTCTTCCCAAAGCG
AAGATGCAAGGAGCAGTAAGCCAGCTGCCAAAAAAAAGGCTACCATGCAAGGTGACAGAGAGCAGTTGAA
ATGGAAGAATAGTTCCTATGGAAAAGTTGAAGGGTTTTGGTCTAAGGACCAGTCACAGTGGAAGAATGCA
TCTGAGAATGATGAGCGCTTATCTAACCCCCAGATTGAGTGGCAGAATAGCACAATTGACAGTGAGGATG
GGGAACAGTTTGACAACATGACTGATGGAGTAGCTGAGCCCATGCATGGCAGCTTAGCCGGAGTTAAACT
GAGCAGCCAACAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239967 representing NM_001282531
Red=Cloning site Green=Tags(s)

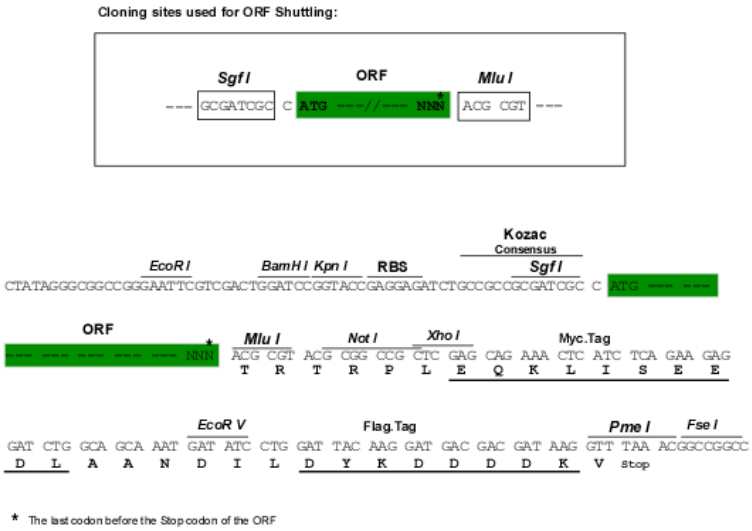
MFQLPVNNLGSLRKARKTVKKILSDIGLEYCKEHIEDFKQFEPNDFYLKNTTWEDVGLWDPSLTKNQDYR
TKPFCCSACPCSSKFFSAYKSHFRNVHSEDFENRILLNCPYCTFNADKKTLETHIKIFHAPNASAPSSSL
STFKDKNKNDGLKPKQADSVEQAVYYCKKCTYRDPLYEIVRKHIYREHFQHVAAPYIAKAGEKSLNGAVP
LGSNAREESSIHCKRCLFMPKSYEALVQHVIEDHERIGYQVTAMIGHTNVVVPRSKPLMLIAPKPQDKKS
MGLPPRIGSLASGNVRSLPSQQMVNRLSIPKPNLNSTGVNMMSSVHLQQNNYGVKSVGQGYSVGQSMRLG
LGGNAPVSIPQQSQSVKQLLPSGNGRSYGLGSEQRSQAPARYSLQSANASSLSSGQLKSPSLSQSQASRV
LGQSSSKPAAAATGPPPGNTSSTQKWKICTICNELFPENVYSVHFEKGHKAEKVPAVANYIMKIHNFTSK
CLYCNRYLPTDTLLNHMLIHGLSCPYCRSTFNDVEKMAAHMRMVHIDEEMGPKTDSTLSFDLTLQQGSHT
NIHLLVTTYNLRDAPAESVAYHAQNNPPVPPKPQPKVQEKADIPVKSSPQAAVPYKKDVGKTLCPLCFSI
LKGPISDALAHHLRERHQVIQTVHPVEKKLTYKCIHCLGVYTSNMTASTITLHLVHCRGVGKTQNGQDKT
NAPSRLNQSPSLAPVKRTYEQMEFPLLKKRKLDDDSDSPSFFEEKPEEPVVLALDPKGHEDDSYEARKSF
LTKYFNKQPYPTRREIEKLAASLWLWKSDIASHFSNKRKKCVRDCEKYKPGVLLGFNMKELNKVKHEMDF
DAEWLFENHDEKDSRVNASKTADKKLNLGKEDDSSSDSFENLEEESNESGSPFDPVFEVEPKISNDNPEE
HVLKVIPEDASESEEKLDQKEDGSKYETIHLTEEPTKLMHNASDSEVDQDDVVEWKDGASPSESGPGSQQ
VSDFEDNTCEMKPGTWSDESSQSEDARSSKPAAKKKATMQGDREQLKWKNSSYGKVEGFWSKDQSQWKNA
SENDERLSNPQIEWQNSTIDSEDGEQFDNMTDGVAEPMHGSLAGVKLSSQQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6263_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282531

ORF Size: 3306 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.

RefSeq: NM_001282531.3

RefSeq Size: 6242 bp

RefSeq ORF: 3309 bp

Locus ID: 23394

UniProt ID: Q9H2P0

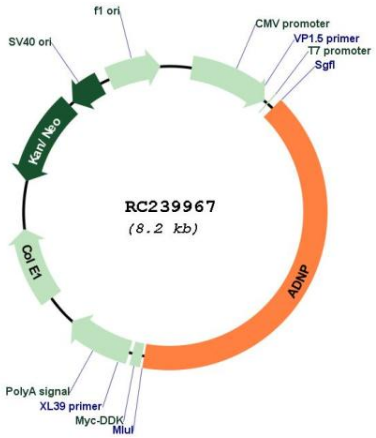
Cytogenetics: 20q13.13

Protein Families: Transcription Factors

MW: 123.4 kDa

Gene Summary: Vasoactive intestinal peptide is a neuroprotective factor that has a stimulatory effect on the growth of some tumor cells and an inhibitory effect on others. This gene encodes a protein that is upregulated by vasoactive intestinal peptide and may be involved in its stimulatory effect on certain tumor cells. The encoded protein contains one homeobox and nine zinc finger domains, suggesting that it functions as a transcription factor. This gene is also upregulated in normal proliferative tissues. Finally, the encoded protein may increase the viability of certain cell types through modulation of p53 activity. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC239967