

## Product datasheet for **RG209788**

### ADNP (NM\_015339) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADNP (NM_015339) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADNP
Synonyms:	ADNP1; HVDAS; MRD28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209788 representing NM_015339 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCCAACCTCCTGTCAACAATCTTGGCAGTTTAAGAAAAGCCCGGAAAACCTGTGAAAAAATACTTA  
GTGACATTGGGTTGGAATACTGTAAAGAACATATAGAAGATTTTAAACAATTTGAACCTAATGACTTTTA  
TTTGAAAAACACTACATGGGAGGATGTAGGACTGTGGACCCATCACTTACGAAAAACCAGGACTATCGG  
ACAAAACCTTTCTGCTGCAGCGCTGTCCATGTTCCCTCAAAATCTTCTCTGCCTACAAAAGTCATTTCC  
GCAATGTCATAGTGAAGACTTTGAAAAATAGGATTCTCCTTAATTGCCCTACTGTACCTCAATGCAGA  
CAAAAAGACTTTGGAAACACACATTAATAATTTTCATGCTCCGAACGCCAGCGCACCAAGTAGCAGCCTC  
AGCACTTTCAAAGATAAAAACAAAAATGATGGCCTTAAACCTAAGCAGGCTGACAGTGTAGAGCAAGCTG  
TTTATTACTGTAAGAAGTGCACCTTACCGAGATCCTCTTTATGAAATAGTTAGGAAGCACATTTACAGGGA  
ACATTTTCAGCATGTGGCAGCACCTTACATAGCAAAGGCAGGAGAAAAATCACTCAATGGGGCAGTCCCC  
TTAGGCTCGAATGCCCGAGAAGAGAGTAGTATTCACTGCAAACGATGCCTTTTCATGCCAAAGTCCATG  
AAGCTTTGGTACAGCATGTCATCGAAGACCATGAACGTATAGGCTATCAGGCTACTGCCATGATTGGGCA  
CACAAATGTAGTGGTTCCCGATCCAAACCTTGATGCTAATTGCTCCCAAACCTCAAGACAAGAAGAGC  
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TGAATCGACTCTCAATACCAAAGCCTAACTTAAATTTACAGGAGTCAACATGATGTCCAGTGTTCATCT  
GCAGCAGAACAACATATGGAGTCAAACTGTAGGCCAGGTTACAGTGTGGTCAAGTCAATGAGACTGGGT  
CTAGGTGGCAACGCACCAGTTTCCATTCCTCAACAATCTCAGTCTGTAAGCAGTTACTTCCAAGTGAA  
ACGGAAGTCTTATGGGCTTGGGTCAGAGCAGAGGTCACAGGCACCAGCAAGATACTCCCTGCAGTCTGC  
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AGGACATAAAGCTGAGAAAGTCCAGCAGTAGCCAACCTACATTATGAAAATACACAATTTTACTAGCAA



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TGCCTCTACTGTAATCGCTATTTACCCACAGATACTCTGCTCAACCATATGTTAATTCATGGTCTGTCTT  
 GTCCATATTGCCGTTCAACTTTCAATGATGTGGAAAAGATGGCCGCACACATGCGGATGGTTCACATTGA  
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 AAAATAATCCTCCAGTTCCTCCAAGCCACAGCCAAAGGTTTCAGGAAAAGGCAGATATCCCTGTA AAAAG  
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 CTA AAAAGACCCATATCTGATGCACCTGCACATCACTTACGAGAGAGGCCACCAAGTTATTACAGCGGTTCC  
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 GGTATGGAAGAGTGACATCGCTTCCATTTTAGTAACAAAAGGAAGAAGTGTGTCGGTATTGTGAAAA  
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 GAGCCTGAGTGGCTATTTGAAAATCATGATGAGAAGGATTCCAGAGTCAATGCTAGTAAGACTGCTGACA  
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 ATGGAAGAATAGTTCCTATGAAAAAGTTGAAGGTTTTGGTCTAAGGACCAGTCACAGTGGAAAGAATGCA  
 TCTGAGAATGATGAGCGTTATCTAACCCAGATTGAGTGGCAGAATAGCACAATTGACAGTGAAGGATG  
 GGAACAGTTTGACAACATGACTGATGGAGTAGCTGAGCCATGCATGGCAGCTTAGCCGGAGTTAACT  
 GAGCAGCCAACAGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG209788 representing NM\_015339  
 Red=Cloning site Green=Tags(s)

MFQLPVNNLGLSLRKARKTVKKILSDIGLEYCKEHIEDFKQFEPNDFYLNKTTWEDVGLWDPSTLTKNQDYR  
 TKPFCCSACPCSSKFFSAYKSHFRNVHSEDFENRILLNCPYCTFNADKKTLETHIKIFHAPNASAPSSSL  
 STFKDKNKNDGLKPKQADSVEQAVYYCKCTYRDPLYEIVRKHIYREHFQHVAAPIAKAGEKSLNGAVP  
 LGSNAREESSIHCKRCLFMPKSYEALVQHVIEDHERIGYQVTAMIGHTNVVPRSKPLMLIAPKPQDKKS  
 MGLPPRIGSLASGNVRSLSQQMVNRLSIPKPNLNSTGVNMMSSVHLQQNNYGVKSVGGQYVGGQSMRLG  
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 CLYCNRYLPTDILLNHMLIHGLSCPYCRSTFNDVEKMAAHMRMVHIDEEMGPKTDSTLSFDLTLQQGSHT  
 NIHLLVTTYNLRDAPAESVAYHAQNPPVPPKQPKVQEKADIPVKSSPQAAPVYKQKDVGKTLCPFCFSI  
 LKGPISDALAHLRERHQVIQTVHPVEKLLTYKCIHCLGVYTSNMTASTITLHLVHCRGVGKTQNGQDKT  
 NAPSRLNQSPSLAPVKRTYEQMEFPLLKKRKLDDSDSPSFFEEKPEEPVVALDPKGHEDDSYEARKSF  
 LTKYFNKQPYPTREIEKLAASLWLWKSIAASHFSNKRKCKVRDCEKYKPGVLLGFNMKELNKVKHEMDF  
 DAEWL FENHDEKDSRVNASKTADKKLNLGKEDSSDSFENLEESNESGSPFDPVFEVPEPKISNDNPEE  
 HVLKVIPEBASEEKLQKEDGSKYETIHLTEEPTKLMHNASDSEVDQDDVVEWKDGASPSESGPGSQQ  
 YSDFEDNTCEMKPGTWSDESSQSEARSSKPAAKKATMQGDREQLKWKNSSYGKVEGFWSKQSQWKNA  
 SENDERLSNPQIEWQNSTIDSEGEQFDNMTDGAEPMHGSLAGVKLSSQQA

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_015339

**ORF Size:** 3306 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](mailto: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).

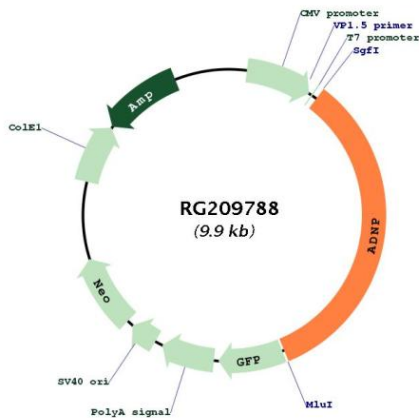
**Reconstitution Method:**

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\\_015339.2, NP\\_056154.1](#)  
**RefSeq Size:** 4713 bp  
**RefSeq ORF:** 3309 bp  
**Locus ID:** 23394  
**UniProt ID:** [Q9H2P0](#)  
**Cytogenetics:** 20q13.13  
**Domains:** homeobox, zf-C2H2  
**Protein Families:** Transcription Factors

**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 RG209788