

Product datasheet for SC112644

ADNP (NM_015339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADNP (NM_015339) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADNP
Synonyms:	ADNP1; HVDAS; MRD28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112644 sequence for NM_015339 edited (data generated by NextGen Sequencing)

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ATGTTCCAACCTCCTGTCAACAATCTTGGCAGTTTAAAGAAAGCCCGAAAACCTGTGAAA
AAAATACTTAGTGACATTGGGTTGGAATACTGTAAAGAACATATAGAAGATTTTAAACAA
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GATACTCTGCTCAACCATATGTTAATTCATGGTCTGTCTTGCCATATTGCCGTTCAACT
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 GGTGACAGAGAGCAGTTGAAATGGAAGAATAGTTCCTATGAAAAAGTTGAAGGGTTTTGG
 TCTAAGGACCAGTCACAGTGGAAAGATGCATCTGAGAATGATGAGCGCTTATCTAACCCC
 CAGATTGAGTGGCAGAATAGCACAATTGACAGTGAAGGATGGGGAACAGTTTGACAACATG
 ACTGATGGAGTAGCTGAGCCCATGCATGGCAGCTTAGCCGGAGTTAAACTGAGCAGCCAA
 CAGGCCTAA

Clone variation with respect to NM_015339.2

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_015339 unedited
 CAGAATTTTGAATACGACTCACTATAGGGCGGCCGACTTCGGCAGGAGGCGAAACCT
 AGGCCCCAGCTTTTACACCATGATGCGCAGGGTTGACTTTTTGACTGAACTGATAGGT
 GGCTAGTGGTTATGCCCTGACTACCATTTTGGAGATCTGGACTCCGTTTCCTGCCTTG
 CTCTTTGGACCACATTGTCAATTCACACCGAATACCGTAGCAGTAGGCAGGACAGTTCCA
 ATTCAACAAAAACCTCTTTACCCCTGGCACTCAAACTGTAAATGATGATGAACTGAAACTA
 TGTTCCAACCTTCTGTCAACAATCTTGGCAGTTTAAAGAAAAGCCCGAAAACCTGTGAAAA
 AAATACTTAGTGACATTGGGTTGGAATACTGTAAGAACAATATAGAAGATTTTAAACAAT
 TTGAACCTAATGACTTTTATTTGAAAAACACTACATGGGAGGATGTAGGACTGTGGGACC
 CATCACTTACGAAAAACAGGACTATCGGACAAAAACCTTTCTGCTGCAGCGCTTGTCCAT
 TTTCTCAAAATCTTCTGCTGCTACAAAAGTCATTTCCGCAATGCCATAGTGAAGACT
 TTGAAAATAGGATTCCTTAATTGCCCTACTGTACCTTCAATGCAGACAAAAAGACTT
 TGGAAACACACATTAAAAATATTTTATGCTCCGAACGCCAGCGCACCAAGTAGCAGCCTCA
 GCACTTTCAAAGATAAAAAACAAAATGATGGCCTTAAACCTAAGCAGGCTGACAGTGTAG
 AGCAAGCTGTTTATTACTGTAAGAAGTGCACCTTACCGAGATCCTCTTTATGAATAGNTAG
 GAAGACATTTACAGGAACATTTNCAGCATGTGGCAGCCCTTTCATAGCAAGGCAGGAGAA
 AATCACTATGGGGCAGTCCCTTAGCTCGATGCCAGAAGAAATAGTACTGCAGCG
 AGA

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015339 unedited NCCTCGTGCACGGGCCGCATTTAGGATCGGNCTTTTTTTTTTTTTTTTTTTTTTTTAA TCACAATACAGCAATTTATTTAAATGCTTAAAATGAATCCACTGGGAAAAATAAGATCAC AAAATTATACATACTACAACAGGGTGTATATATTAGATGGCATAAATGAACCCACCATG ATGGTGTGAACCTAAAGACACACTTATTATCCAAAAGCCACACTAATTGGATTGATGAT CCCCACATCACACTTTCACTCATATTTAAAGGTGACATCCTCATGAATTGTCATTAGATC ATTTATCCCTCCTTCTCCATTAACCTCATCTACAGTCTCTACTACCCCCATACACTC CTTGATGTCGTTACCCCTCCATTCTTCCCCATACACACTCCTCCTCCCCCCCCCATT ACATTTCTATCACATCGTCTGCCACTATCACATCCACCCCGCATACCTATCACCCCTA TACCCCTCACAACCTCCCCCCCACCCTCTCCCAATAATTCTATAACAAGTTCAATACTC TCCTTACCCCGCTACCAGCGCATTAAATCCGCAAAAATTTACCATCTGATCCACCCAT CTTCCACTCTCCACACACCCCTTAGCGCACCGCTCTCTCCACACTCCTTCTTCCA TCACCCCTTTTTACGACATACTTCTCATATTTTCATACCACTATTAGTCTATCACTTT TCCCCCACCATTGACTCCGTCTCCGTGATGTCGCCACTTTTACTACGTACTCACCTG ACTTTCAATTCTACCACATATATCACATACACTTTTACGTTTCTATGTATTTCTCAA AGTACCGACGCCACCCCGCACTATATTTCCGCTGCTCCCTACGTAGTTAGACTATACCAC TCCG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015339
Insert Size:	4600 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. All five variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.