

Product datasheet for RC209813

ADNP homeobox protein 2 (ADNP2) (NM_014913) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADNP homeobox protein 2 (ADNP2) (NM_014913) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADNP homeobox protein 2
Synonyms:	ZNF508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209813 representing NM_014913 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAAATTCCTGTGGAAAATCTTGACAACATCAGAAAGGTGCGAAAAAGGTGAAAGGTATTCTTG
TGGATATTGGGCTTGACAGCTGCAAGGAGTTACTGAAGGACCTTAAAGGCTTTGATCCAGGAGAGAAATA
CTTTCATAACACATCATGGGAGATGTTTCTCTGGAACCTTCTGGAAAGAAAGTGAGATATCGAACA
AAGCCACTACTGTTGTGGCCTCTGTAATACTCTACAAAGGTGCTTACTTCATTCAAGAATCATTTACATC
GTTACCATGAAGATGAAATTGACCAAGAGCTGGTGATCCCTTGCCAAACTGTGTATTTGCATCTCAGCC
CAAAGTTGTGGGAAGGCACTTCAGAATGTTCCATGCGCCTGTCCGAAAGTCCAGAACTACACAGTGAAT
ATTTTAGGTGAAACTAAATCATCTAGGAGCGATGTGATAAGTTTACATGTCTAAAATGTAACCTTTTCAA
ACACTTTGTAACAGCATGAAGAAGCATGTGCTGGTAGCCATTTTCACTACTTAATTAACCTCCTACTT
TGGCCTAAGAAGTGAAGAAATGGGTGAGCAACCGAAAATAACGATACTGTTTCTATAGAGAAGATCCCA
CCACCTGACAAATATTACTGTAAAAAGTGAACGCAATGCCAGCAGCCAGGATGCGTTAATGTATCACA
TTTTGACATCAGACATACACAGAGATTTGGAGAATAAGCTTAGATCTGTGATTTTCAAGACATATTAAGAG
GACTGGACTCTTGAAGCAAACGCACATTGCTCCAAAACCAGCAGCACATTTGGCTGCACCAGCAAATGGC
AGTGCTCCAAGCGCTCCAGCGCAGCCTCCTTGCTTCCATCTTGCTTTGCCACAGAACAGTCCAAGCCCAG
CCGCAGGACAGCCAGTGACTGTGGCCCAGGGTGCCCTGGAAGCCTCACTCATTCCCCCTGCTGCTGG
CCAATCCACATGACTCTGGTCTCCAGCCCTCTGCCTGTGGGCCAGAACAGCCTCACCTGCAGCCCCCA
GCACCTCAGCCCCTTTTCTTTCTCACGGGGTTCCACTTCATCAGTCTGTGAATCCTCCTGTGTTGCCCT
TGAGTCAGCCAGTCGGACCTGTCAATAAGTCTGTTGGAAGTGTGCTCCTCCCAATAAATCAGACTGTTGC
CCCTGGGGTTTTACCCCTCACCCAGCCTGTGGGACCCATAAACAGACCTGTTGGGCTGGTGTCTTCTCT
GTGAGCCCCTCTGCACCCCTGGGGTCTGCAGGCTGTCTCGCCAGGGGTGCTTCTGTGAGTCGGGCGG
TCCCGTCTGGAGTCTTCTGCAGGCCAGATGACTCCTGCAGGCCAGATGACTCCTGCAGGGGTTATCCC
TGGCAACAGCAACTTCTGGGGTCTTCTACTGGCCAGATGGTCCAGTCAGGAGTTCTCCTGTGGC



[View online »](#)

CAGACAGCTCCGTCACGGGTTCTTCCCCAGGCCAGACAGCCCCATTGAGGGTTATCTCTGCAGGCCAGG
TGGTCCCGTCTGGGCTTCTTTCTCCAACCAGACAGTCTCCTCCTCAGCTGTTGTGCCTGTAAACCAGGG
TGTGAATTCTGGTGTCTGCAGCTTAGTCAGCCTGTTGTGTGGGAGTCTTCTCTGTGGGCCAGCCAGTG
AGGCTGGGGTCTTGCAACTCAACCAGACTGTGGGCACCAACATTCTGCCTGTGAATCAGCCAGTGAGAC
CTGGTGTCTCGCAGAACCACCTTCTGACATCAGGCTCTATTCTCAGACAGCTCATCCCTACAGGGAA
ACAAGTGAATGGGATCCAACCTACACGCTGGCCCCGTGTGTCACTCTGCCGTTCCCCCTGGAGGC
GTTCCAATGCCCGCATGCCCTCTCCTCCAGTGTGGTGAATGCTGCTCAGAGCGTGTGGTTCAGGCCTC
CTCCTCTGCAGCAGACACAAACCAGGTGCTCAAACAGGCCAAGCAGTGGAAAGACCTGCCCTGTCTGCAAC
GAGCTCTTTCCGTCCAACGTCTACCAGTCCACATGGAGGTAGCGCATAAGCACAGCGAGTCCAAGTCTG
GTGAGAAACTTGAGCCTGAAAACTGGCAGCGTGTGCACCATTTCTAAAGTGGATGAGAGAGAAAACGGT
GCGATGTCTGTCTGTAAGTGTCTGGTCTCTGAGGAAGAGCTTATACACCACTTGTGATGCATGGCTT
GGGTGCTGTTCTGTCCATGCACCTTCCATGATATCAAAGGTCTTTCAGAGCACAGCAGGAATAGGCACC
TGGGAAGAAGAAGTTGCCTATGGATTATAGCAACAGAGGTTTTCAATTAGATGTCGATGCCAATGGCAA
CCTGCTCTTCCACCTTGATTTTCATCACCATTGCCAAAGGAGAAGCTTGGGGAGCGGGAAGTCTAC
TTGGCAATCCTGGCTGGGATACACTCCAAGTCACTGGTGCCTGTGTATGTGAAGGTGAGGCCTCAGGCTG
AGGGCACCCCGGAGCACCGGCAAGCGAGTGTCCACCTGCCCTTTTGGCCCTTTGTGACAAC
TGAGGCCTATGAGCTGCATTTGAAGGAGAGGCACCACATCATGCCACAGTCCACACGGTCTGAAGTCT
CCCGCCTTCAAGTGCATCCACTGCTGTGGGGTCTACACGGGAAATATGACCCTGGCTGCCATCGCCGTCC
ATTTGGTGCCTGCAGAAGTGTCCCAAGGACAGCAGCTCAGACCTGCAGGCCAGCCGGGTTTTATTCA
CAACAGTGAAGTCTTTTAGTCAGTGGTGAAGTGTGATGATGATTCCAGTTTTTCTGTTAAGAGAAAGCTG
CCTGACGGCCACTTAGGGCCGAAGACCAGCGGCATGGGGAGGAGCAGCCTCCCATCCTAAATGCCGATG
CAGCCCCGGTCCAGAAAAGGTGACGAGTGTGTGCCTTTTAAAGACAAAGGAATGAAAGCAGAACAGA
GGGACCTATTGTCAAGGACGAGGCTCTTCAGATTTTAGCATTAGATCCTAAAAAATATGAAGGCCGTTCT
TATGAAGAAAAGAAGCAATTTCTTAAAGATTATTTCCATAAGAAACCATATCCTAGTAAAAAGGAAATAG
AACTGTTGCTCACTCTTTTGGGTGTGGAAAATTGATGTGGCTTCATTTTTTGGAAAAAGAAGGTATAT
TTGCATGAAAGCAATAAAAAATCACAAGCCTTCTGTACTTTTAGGCTTTGATATGTCTGAACTAAAAAT
GTGAAACATAGATTGAACTTTGAATATGAACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209813 representing NM_014913
Red=Cloning site Green=Tags(s)

```

MFQIPVENLDNIRKVRKKVKGILVDIGLDSCHELLKDLKGFDPGEKYFHNTSWGVDVSLWEPGSKKVRRT
KPYCCGLCKYSTKVLTSFKNHLHRYHEDEIDQELVIPCPNCVFA SQPKVVRHFRMFHAPVRKVQNYTVN
ILGETKSSRSVDISFTCLKCNFNTLYYSMKKHVLVAHFHYLINSYFGLRTEEMGEQPKTNDTVSIEKIP
PPDKYYCKCNANASSQDALMYHILTSDIHRDLENKLRVISEHIKRTGLLKQTHIAPKPAHLAAPANG
SAPSAPAQPCCFHLALPQNSPSPAAGQPVTVAQGAPGSLTHSPPAAGQSHMTLVSSPLVPGQNSLTLQPP
APQPVFLSHGVPLHQSVNPPVPLPLSQPVGPVNVKSVGTSVLPINQTVRPGVPLPTQVPGPINRPPVGPVLP
VSPSVTPGVLQAVSPGVLSVSRVPSGVLPAGQMPAGQMPAGVIPGQTATSGVLTGQMVQSGVLPVG
QTAPSRVLPQGQTAPLRVISAGQVVPVSGLLSPNQTVSSSAVVPVNVQGVNSGVQLSQPVVSGVLPVGPV
RPGVQLNQTVGTNIPVNPQVVRPGASQNTTFLTSGSILRQLIPTGKQVNGIPTYTLAPVSVTLPPVGG
LATVAPPQMPIQLLPSGAAAPMAGSMGMPSPVLAQAQSVFVQASSAADTNQVLKQAKQWKTCPVCN
ELFPSNVYQVHMEVAHKHSESKSGEKLEPEKLAACAPFLKWMREKTVRCLSCCKLVSEEEIHHLLMHGL
GCLFCPCFTFHDIKGLSEHSRNRHLGKKKLPMDYSNRGFQLDVDANGNLLFPHLDFITILPKEKLGEREVY
LAILAGIHSKSLVPVYKVRPQAEPTGSGTGKRVSTPCFCGPFVTEAYELHLKERHHIMPTVHTVLKS
PAFKCIHCCGVYTGMMTLAAIAVHLVRCRSAPKDSDDLQAQPGFIHNSSELLVSGEVMHDSFSVSRKL
PDGHLGAEDQRHGEEQPPILNADAAPGPEKVTSVVPFKRQRNESRTEGPVKDEALQILALDPKYEGRS
YEEKQFLKDYFHKKPYPSKKEIELLSSLFWWIKIDVASFFGKRRYICMKAIKNHKPSVLLGDFMSELKN
VKHRLNFEYEP
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3521_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

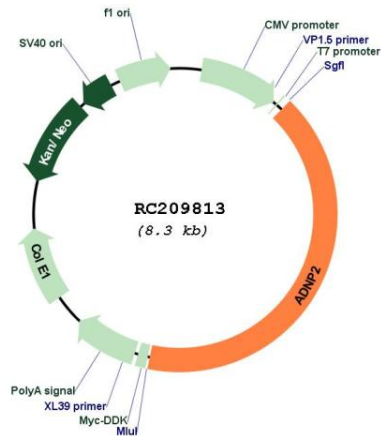


ACCN: NM_014913

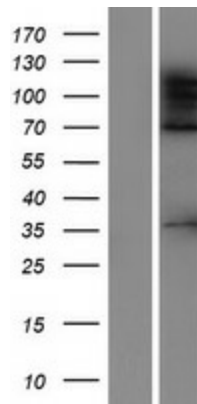
ORF Size: 3393 bp

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:	<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_014913.2 , NP_055728.1
RefSeq Size:	5403 bp
RefSeq ORF:	3396 bp
Locus ID:	22850
UniProt ID:	Q6IQ32
Cytogenetics:	18q23
Domains:	homeobox, zf-C2H2
Protein Families:	Transcription Factors
MW:	122.7 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209813



Western blot validation of overexpression lysate (Cat# [LY414944]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209813 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).