

Product datasheet for **RG209813**

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:	TurboGFP
Symbol:	ADNP2
Synonyms:	ZNF508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209813 representing NM_014913 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAAATTCCTGTGGAAAATCTTGACAACATCAGAAAGGTGCGAAAAAAGGTGAAAGGTATTCTTG
TGGATATTGGGCTTGACAGCTGCAAGGAGTTACTGAAGGACCTTAAAGGCTTTGATCCAGGAGAGAAATA
CTTTCATAACACATCATGGGAGATGTTTCTCTGGAACCTTCTGGAAAGAAAGTGAGATATCGAACA
AAGCCATACTGTTGTGGCCTCTGTAATACTCTACAAAGGTGCTTACTTCATTCAAGAATCATTTACATC
GTTACCATGAAGATGAAATTGACCAAGAGCTGGTGATCCCTTGCCAAACTGTGTATTTGCATCTCAGCC
CAAAGTTGTGGGAAGGCACTTCAGAATGTTCCATGCGCCTGTCCGAAAGTCCAGAACTACACAGTGAAT
ATTTTAGGTGAAACTAAATCATCTAGGAGCGATGTGATAAGTTTACATGTCTAAAATGTAACCTTTTCAA
ACACTTTGTAACAGCATGAAGAAGCATGTGCTGGTAGCCATTTTCACTACTTAATTAACCTCCTACTT
TGGCCTAAGAAGTGAAGAAATGGGTGAGCAACCGAAAATAACGATACTGTTTCTATAGAGAAGATCCCA
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GACTGGACTCTTGAAGCAAACGCACATTGCTCCAAAACCAGCAGCACATTTGGCTGCACCAGCAAATGGC
AGTGCTCCAAGCGCTCCAGCGCAGCCTCCTTGCTTCCATCTTGCTTTGCCACAGAACAGTCCAAGCCCAG
CCGACAGGACAGCCAGTGACTGTGGCCAGGGTGCCCTGGAAGCCTCACTATTCCCCCTGCTGCTGG
CCAATCCACATGACTCTGGTCTCCAGCCCTCTGCCTGTGGGCCAGAACAGCCTCACCTGCAGCCCCCA
GCACCTCAGCCCCTTTTCTTTCTCACGGGGTTCCACTTCATCAGTCTGTGAATCCTCCTGTGTTGCCCT
TGAGTCAGCCAGTCGGACCTGTCAATAAGTCTGTTGGAAGTGTGCTCCTCCCATAAATCAGACTGTTG
CCCTGGGTTTTACCCCTCACCCAGCCTGTGGACCCATAAACAGACCTGTTGGGCTGGTGTCTTCTCT
GTGAGCCCCTCTGTCACCCCTGGGGTCTGCAGGCTGTCTCGCCAGGGGTGCTTCTGTGAGTCGGGCGG
TCCCGTCTGGAGTCTTCTGCAGGCCAGATGACTCCTGCAGGCCAGATGACTCCTGCAGGGGTTATCCC
TGGCAACAGCAACTTCTGGGGTCTTCTACTGGCCAGATGGTCCAGTCAGGAGTTCTCCTGTGGC



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CAGACAGCTCCGTCACGGGTTCTTCCCCAGGCCAGACAGCCCCATTGAGGGTTATCTCTGCAGGCCAGG
 TGGTCCCCTCTGGGCTTCTTTCTCCAACCAGACAGTCTCCTCCTCAGCTGTTGTGCCTGTAACCAGGG
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 TATGAAGAAAAGAAGCAATTTCTTAAAGATTATTTCCATAAGAAACCATATCCTAGTAAAAAGGAAATAG
 AACTGTTGCTCACTCTTTTGGGTGTGAAAAATTGATGTGGCTTCATTTTTTGGAAAAAGAAGGTATAT
 TTGCATGAAAGCAATAAAAAATCACAAGCCTTCTGTACTTTTAGGCTTTGATATGTCTGAACTTAAAAAT
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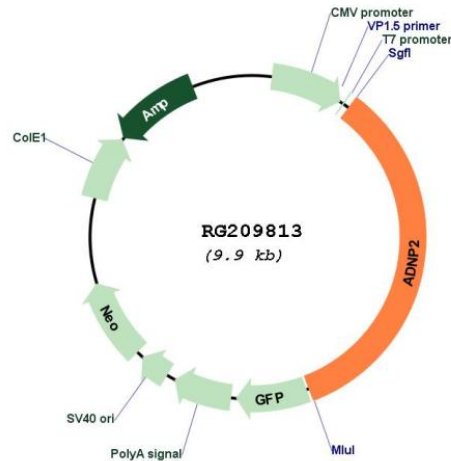
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209813 representing NM_014913
 Red=Cloning site Green=Tags(s)

MFQIPVENLDNIRKVRKKVKGILVDIGLDSCHELLKDLKGFDPGEKYFHNTSWGDVSLWEPGKVKVRYRT
 KPYCCGLCKYSTKVLTSFKNHLHRYHEDEIDQELVIPCPNCVFA SQPKVVRHFRMFHAPVRKVQNYTVN
 ILGETKSSRSDVISFTCLKCNFSNTLYYSMKKHVLAHFHYLINSYFGLRTEEMGEQPKTNDTVSIEKIP
 PPDKYCKKCNANASSQDALMYHILTSDIHRDLENKLRVISEHIKRTGLLKQTHIAPKPAHLAAPANG
 SAPSAPAQPPCFHLALPQNSPSPAAGQPVTVAQAGPSLTHSPPAAGQSHMTLVSSPLPVGQNSLTLQPP
 APQPVFLSHGVPLHQSVNPPVPLPSQPVPVNVKSVGTSVLPINQTVRPGVPLPTQPVGPIINRVPVGPVLP
 VSPSVTPGVLAQVSPGVLVSVRAVPSGVLPAQQMTPAGQMPAGVIPGQTATSGVLTGQVMVQSGVLPVG
 QTAPSRVLPQGQTAPLRVISAQVVPSGLLSPNQTVSSSAVVPVNVQGVNSGVQLSQPVVSGVLPVGPV
 RPGVQLNQTVGTNILPVNQVVRPGASQNTTFLTSGSILRQLIPTGKQVNGIPTYTLAPVSVTLVPPGG
 LATVAPPQMPIQLLPSGAAAPMAGSMPGMPSPVLVNAAQSVFVQASSAADTNQVLKQAKQWKTCPVCN
 ELFPSNVYQVHMEVAHKHSESKSGEKLEPEKLAACAPFLKWMREKTVRCL SCKCLVSEELIHLLMHGL
 GCLFCPCTFHDIKGLSEHSRNRHLGKKLPMDYSNRQFQLDVDANGNLLFPHLDFITILPKEKLGEREVY
 LAITLGLHSHKSLVPVYVKVRPQAEQTPGSTGKRVSTCPFCFGPFVTEAYELHLKERHHIMPTVHTVLKS
 PAFKCIHCCGVYTGMMTLAAIAVHLVRCRSAPKDSDDLQAQPGFIHNSLELLVSGEVMHDSFVSRKRL
 PDGHLGAEDQRHGEEQPPILNADAAPGPEKVTSVVPFKRQRNESRTEGPIVKDEALQILALDPKYEGRS
 YEEKKQFLKDYFHKKPYPSKKEIELLSSLFWWKIDVASFFGKRRYICMKAIKNHKPSVLLGDFMSELKN
 VKHRLNFEYEP

TRTRPLE – GFP Tag – V

Plasmid Map:


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:

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

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]