

Product datasheet for **MC223585**

Adnp (NM_009628) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adnp (NM_009628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adnp
Synonyms:	AA589558; mKIAA0784
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223585 representing NM_009628 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCCAACCTCCTGTCAACAATCTTGGCAGTTAAGAAAAGCCCGGAAAACCTGTGAAAAAATACTTA
GTGACATTGGGTTGGAATACTGTAAGAACATATAGAAGATTTAAACAGTTTGAACCTAATGACTTTTA
TTTGAAAAACACTACATGGGAGGATGTAGGACTGTGGGACCTTCTCTTACGAAAAATCAGGACTATCGG
ACAAAACCTTTTTGCTGCAAGTGTGTCCGTTTTCCCTCAAAATCTTCTCTGCCTACAAAAGTCATTTC
GGAATGTCATAGTGAAGACTTTGAAAATAGGATTCCTTAACCTGCCCTTACTGTACCTCAATGCAGA
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AAGCTTTGGTACAGCATGTCATTGAGGACCATGAACGGATAGGCTATCAGGTCAGTCCATGATCGGACA
CACAAATGTTGTAGTTCCCGAGCCAAAGCCCTTGATGCTGATAGCTCCAAACCTCAAGACAAAAAGGGC
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AGTGGAAAATCTGTACAATCTGTAAACGAGCTTTCCCTGAGAATGCTATAGCGTCACTTCGAAAAGGA
GCATAAGCTGAGAAAAGTCCCAGCCGTAGCTAACTACATTATGAAAATACACAATTTTACTAGCAATGC
CTCTACTGTAATCGCTATTTGCCTACAGATACCCTACTCAACCATATGTTAATTCATGGTCTGTCTGTCT



CGTATTGCCGTTCCACCTTCAATGATGTAGAGAAGATGGCAGCACACATGCGAATGGTTCATATTGATGA
 AGAGATGGGGCTAAAACGGATTCTACTTTGAGCTTTGATTTGACATTGCAACAGGGCAGTCACACCAAC
 ATTCATCTCCTGGTGACCACATAACAACCTGAGGGATGCCCGGCTGAATCAGTTGCTTACCATGCCAAA
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 AAAGGACCCATATCTGATGCACCTGCACATCATTTACGAGAAAAGACCAAGTTATTGACAGCTTCATC
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 GCACCTTCTCGGCTCAATCAGTCTCCAGGCCTGGCCCTGTGAAGCGCACGTATGAGCAGATGGAGTTTC
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 GCCTGTTGTTTTAGCTTTAGACCCCAAGGGTCAAGAAGATGATTCTTATGAGGCTAGGAAAAGCTTCTC
 ACAAACTACTTCAACAAACAGCCCTATCCCACCAGGAGAGAAATTGAGAAGTTAGCTGCCAGTCTATGGC
 TATGGAAGAGTGACATTGCCTCCATTTTCAGTAAACAGAGGAAGAAGTGTGTCCGCGACTGTGAAAAGTA
 CAAGCCTGGTGTGCTGCTAGGTTTTAACATGAAAGAATTAATAAAGTCAACACGAGATGGATTTTGTAT
 GCTGAGTGGCTGTTTGAATCAGCATGAGAAAGACTCAAGAGTCAATGCTAGCAAGACTGTTGACAAA
 AGCATAACCTTGGGAAAGAAGATGATAGCTTCTCAGATAGTTTTGAACATTTGGAAGAAGATCCAATGG
 AAGCGGGAGTCTTTTGACCCTGTCTTTGAAGTTGAGCCTAAAATTTCCAGTGATAATTTAGAGGAGCCT
 GTACCGAAGGTTATCCGGAAGGTGCTTTGGAATCTGAGAAGCTAGACAAAAAGAGGAGGAGGAGGAGG
 AGGAGGAGGAGGATGGTTCAAAAATGAAACTATCCATTTGACTGAGGAACCAGCCAAAATTAATGCATGA
 TGCCTCTGATAGTGAGGTAGACCAAGATGATGTAGTTGAGTGGAAAGATGGTCTTACCATCTGAGAGT
 GGGCCTGGTTCCCAACAAATCTCAGACTTTGAGGATAATACATGTGAAATGAAACCAGGAACCTGGTCTG
 ATGAGTCTTCCAGAGTGAAGATGCAAGGAGCAGTAAGCCAGCTGCCAAAAAAGGCTACAGTGAAGA
 TGACACAGAGCAGTTAAAATGGAAGAATAGTTCTATGGAAAAGTTGAAGGGTTTTGGTCCAAGGACCAG
 TCACAGTGGGAAAATGCATCTGAGAATGCAGAGCGCTTACCAAAACCCACAGATTGAGTGGCAGAATAGCA
 CAATTGACAGTGAAGACGGGAGCAGTTTACAGCATGACTGACGGAGTTGCTGATCCCATGCATGGCAG
 CTTAACTGGAGTGAAGCTGAGCAGCCAGCAAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_009628
- Insert Size:** 3327 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_009628.3](#), [NP_033758.2](#)

RefSeq Size: 4953 bp

RefSeq ORF: 3327 bp

Locus ID: 11538

UniProt ID: [Q9Z103](#)

Cytogenetics: 2 H3

Gene Summary: This gene encodes a member of a protein family characterized by nine zinc finger motifs followed by a homeobox domain. In vitro studies demonstrate that the encoded protein interacts with the brahma-related gene1-associated or hBRM factors (BAF) gene expression regulating complex, components of the protein translation machinery, and microtubule-associated proteins. This gene has been implicated in neuroprotection through various processes that include chromatin remodeling, splicing, cytoskeletal reorganization, and autophagy. Homozygous mutant knockout mice display embryonic lethality with defects in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein (isoform 1).