

Product datasheet for **RN208071**

Adnp (NM_022681) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adnp (NM_022681) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adnp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208071 representing NM_022681 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAACCTCCTGTCAACAATCTTGGCAGTTAAGAAAAGCCCGAAAACTGTGAAAAAATACTTA
GTGACATTGGGTTGGAATACTGTAAGAACATATAGAAGATTTAAACAGTTTGACCTAATGACTTTTA
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GTCCATATTGCCGTTCCACCTTCAATGATGTGGAGAAGATGGCAGCACACATGCGAATGGTTCATATTGA
TGAGGAGATGGGGCTAAAACGGATTCTACCTTGAGCTTTGATTTGACATTGCAACAGGGCAGTCACACC



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AACATTCATCTCCTGGTGACCACATACAACCTGAGAGATGCCCGGCTGAATCAGTTGCTTACCATGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_022681

Insert Size:

3312 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_022681.2, NP_073172.2

RefSeq Size:

5608 bp

RefSeq ORF: 3312 bp

Locus ID: 64622

Cytogenetics: 3q42

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. [provided by RefSeq, Nov 2016]