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Product datasheet for RN207691

N4bp3 (NM_001033893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	N4bp3 (NM_001033893) Rat Untagged Clone
Tag:	Tag Free
Symbol:	N4bp3
Synonyms:	C330016o10rik; RGD1308356
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN207691 representing NM_001033893
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACAGCCTCAGGCCCTGCTGGCATTGCCATGGGCAGCGTAGGCAGCCTGTTGGAACGGCAGGACT
TTTCCCCTGAAGAACTTCGGGCTGCACTAGCTGGGTCCCGGGGCTCCCGGCAGCCTGATGGGCTCCTCCG
GAAAGGCTTGGGCCAACGAGAGTTCTTCAGCTACCTGCATCTCCCCAAGAAGGATGGCAAGACCGCCAAG
CGAGCCCCTCGGAACGAGCCGGACTACACCACCCTCTACTACCGGGAGCATCCTCGGGCTGGTGACTTCA
GCAAGACTTCCCTACCTGAGCGCGGTCGCTTCGACAAGTGCCGGATCCGTCCTTCTGTGTTCAAGCCTCC
TGTGAGCACTGGGAAAGGCTTCCTGTCCATGCAGAGCCTCGCAGCCCACAAGGGCCAGAAGCTGTGGAGA
AGCAATGGCAGCCTGCACACTCTGGCCTGTCACCCCCCCCTGAGCCCTGGGCCTCGGGCCAGTCAGGCCC
GTGCACAGTTGCTTCATGCCCTCAGCCTTGATGAAGGCGGCCCTGAGCCCAGCTTATCGGACTCTTCCAG
CGGGGGTAGTTTTGGCCGTAGTCCAGGGACTGGCCCCAGCCCCTTCAGCTCCTCCCTGGGCCACATTAAT
CACCTTGGAGGCTCCCTGGATCGTGCTTCAAGGAGCCCTAAGGAGTCTGGACCTCTGGCAGTACTGAGCT
GCCTGCCCGAGCCACCTCCCCCCTATGAGTTCTCCTGTCCCACTACTGAGGAGGTCGCTGTGTTGCCTGA
TACCTGTGAGGAACTCAAGAGGGACCTCGGTGACCAGGATGTATCTAACCCCTTTACTCAGGTGCTCGAG
GAACGCCAGCGGTTGTGGTTGTCTGAGCTGAAGCGCCTGTACGTGGACCGGCTTCACGAGGTGGCCCAGA
AAGCTGAGCGCAGCGAGCGCAACCTCCAGCTGCAGCTGTTTATGGCTCAACAGGAGCAGCGGCGCCTGCG
CAAGGAGCTGCGGGCTCAGCAGGGCCTGGCCCCAGAGCCTCGGACCTCCGGGCCCCCCATGGAGGCTGAC
CCCAATGCCCGGCCAGAGGAAGAAGCCCGATGGGAGGTGTGCCAGAAGACTGCCGAGATTAGTCTGTTGA
AACAGCAGCTTCGGGAAGCCCAGGCGGAGCTGGCACAGAAGCTGGCAGAGATCTTCAGTCTGAAGACACA
ACTTCGGGGCAGCCGGGCACAAGCCCAAGCTCAGGACGCTGAGCTAGCCCGGCTGCGGGAGGCAGTGCGC
AGCCTGCAAGAGCAGGCACCTCGGGAGGAAGCCCCAGGCAGCTGTGAGACAGATGACTGCAAGAGCAGGG
GGCTGCTCGGGGAGGCAGGAGGCAATGAAGCCAGAGAAGGGGCCGAGCAGCTGAGGGCAGAGCTGCTGCA
AGAACGGCTTCGTGGCCAGGAGCAGGCTCTGCGCTTTGAGCAGGAGAGGCAGACTTGGCAGGAGGAAAAA
GAGAGGGTGCTGCGCTACCAGCGAGAAATCCAAGGGAGCTACATGGACATGTACCGCCGGAACCAGGCAC
TTGAACAGGAGCTGCGGGTGCTGCGGGAGCCCCCTACATCTTGGAGTCCCAGGCTGGAGTCCTCCAAGAT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033893

Insert Size: 1614 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).

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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_001033893.1, NP_001029065.1
RefSeq Size:	2018 bp
RefSeq ORF:	1614 bp
Locus ID:	303112
UniProt ID:	Q3LUD3
Cytogenetics:	10q21
Gene Summary:	Plays a role in axon and dendrite arborization during cranial nerve development (PubMed:24044555). May also be important for neural crest migration and early development of other anterior structures including eye, brain and cranial cartilage (By similarity). [UniProtKB/Swiss-Prot Function]

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