

Product datasheet for MC206518

Ncdn (BC017126) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncdn (BC017126) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncdn
Synonyms:	norbin, mKIAA0607, MMS10-AE, Ms10ae
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC017126
 CGGACCGTGGGTTCCGGCTCGGGGCCGAGCCTGGTGAGCTCAGCCCCCTCAAGCCCTCCCCTGCAT
 CTCAGCCGGAGCCTCTCGAACC GGCGCTGATCGATGCCGAGACTCCCCAGGACCCTATCGCGACTCCA
 TCGTGCCATATCTCGACATCACCGTACCCTGTCGAGACTCCATTTTGTCAACAACCCCTTTAGTATTAT
 CTATCTACCTATATATTTTTTAAATTTGCCCTATCATATTTGGGGGCTGTCCCCTTCATGTCGTGATTT
 CGCTGTGATCTCTCCGTGACATCACCGCCATCGTGAAGTGTGATCTCATCGCTGCCCTGTCGTTGCGAC
 TTCATCAATGTCGTGTTGTGACCTGGCTGCGGGCGGACAGTTGGGCAAGGCGGGCATCATGGCCTCGGAT
 TGTGAGCCAGCTCTGAACCAGGCAGAGAGCCGAAACCCACCCTGGAGCGCTACCTGGGAGCCCTCCGTG
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 GTGGCCAACTTGGCCATCTCTCTACTACACAGGCCCTTCATGGCCAGGGGATGCTCTCCGGCTCTCC
 TTCCCGGCTGGTGTACCTGACTGTTGAAGATGGTCCCCGGGAGATTCTGATCAAGGAAGGAGCCCCCTC



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ACTTCTGTGCAAGTACTTCTGCAGCAGTGGGAACTCACATCCCCGGGCCATGATACCTCGGTGCTGCCA
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CCAAGTCAAAGCTGTGCACATGTGGACTCAATAAATGTTTATTGGTGATGAGAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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- Restriction Sites:** EcoRI-NotI
- ACCN:** BC017126
- Insert Size:** 2190 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:** [BC017126](#), [AAH17126](#)
- RefSeq Size:** 3680 bp

RefSeq ORF: 2190 bp

Locus ID: 26562

Cytogenetics: 4 D2.2

Gene Summary: Probably involved in signal transduction, in the nervous system, via increasing cell surface localization of GRM5 and positively regulating its signaling. Required for the spatial learning process. Acts as a negative regulator of Ca(2+)-calmodulin-dependent protein kinase 2 (CaMK2) phosphorylation. May play a role in modulating melanin-concentrating hormone-mediated functions via its interaction with MCHR1 that interferes with G protein-coupled signal transduction. May be involved in bone metabolism. May also be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]