

## Product datasheet for **MR226626**

### **Ncam2 (NM\_001113208) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ncam2 (NM_001113208) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncam2
Synonyms:	Ncam-2; Ocam; RNCAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR226626 representing NM\_001113208  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCTCCTCCTCTCCTTCTACCTGCTCGGGTGTCTTGTGTCAGGAGCGGGCAAGCTCTTCTCAAGTGA  
 CAATTTCACTTAGCAAAGTAGAGCTTAGTGTGGGTGAGTCTAAATTCCTCACATGTACAGCCATTGGTGA  
 GCCTGAGAGTATCGACTGGTATAAACCCTCAAGGAGAGAAGATCATTTCACGCAGAGGGTTATGCTACAG  
 AAGGAGGGTGTCAAGTACGACTCACCCTCTACAATGCAAACATAGAAGATGCAGGGATATATCGCTGTC  
 AAGCGACAGATGCCAAAGGACAGACACAAGAAGCTACAGTAGTTTTGGAAATTTACCAAAAACCTCACCTT  
 CAGAGAAGTGGTGTCCCCTCAAGAGTTCAGCAAGGGGAGGATGCAGAAGTGGTTTGAGAGTGTGAGCAGT  
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 CAGTGTCTGCAAACAATAATTTGCAGATCCTCAATATCAATAAAAGTGATGAAGGTATATACAGATGTGA  
 AGGAAGAGTGGAGGCGAGGGGAGAGATTGACTTCCGGGATATCATTGTTATTGTTAACGTTCCACCAGCA  
 ATCATGATGCCCCAGAAGTCCTTCAATGCTACAGCAGAGAGAGGAGAAGAGATGACCTTAACATGCAAGG  
 CCTCGGGCTCCCCAGATCCAACCATCTCTTGGTTCAGGAACGGCAAACCTCATTGAAGAAAATGAAAAGTA  
 TATTTAAAGGGCAGTAATACAGAGCTCACTGTGAGAACATAATCAATAAAGACGGGGCTCTTATGTC  
 TGCAAAGCAACAAACAAGGCAGGAGAAGATCAAAGCAGGCCCTTCTTCAAGTCTTTGTACAGCCTCATA  
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 GCCTGTTCCAGAAATCACATGAAAAGAGCCATAGATGGAGTGTGTTTCTGAAGGTGATAAGAGTCCG  
 GATGGCCGCATCGAAGTTAAAGGGCAGCATGGACGCTTCACTGCACATTAGAGATGTGAAGTTGTCAG  
 ATTCGGGAGATATGACTGTGAGGCCGCTAGTCGGATTGGTGGCACCAGAGGAGCATGCACCTGGACAT  
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 AGTTGTGATGTGACAGCAAAACCCACCTGCGTCAATCCACTGGAGAAGAGAGAAAAGTCTTACCAGCTA  
 AGAATACGACTCATTTAAAAACTCACAGTGTAGGAAGAAAGATGATACTCGAGATTGCCCCACATCAGA  
 CAATGACTTTGGACGATATAACTGCACAGCTACTAACCCTATAGGCACAAGATTTAGGAATATATTCTT  
 GAATTAGCAGATGTCCCCTCTAGTCCCCATGGAGTGAAGATTATAGAGCTGTACAGACCACAGCCAAGA  
 TCTCTTTCAATAAACCCGAATCCCATGGAGGTGTGCCTATTCATCACTATCAAGTGGATGTCAAAGAAGT  
 GGCATCAGAAACCTGGAAAATAGTACGCTCCCATGGAGTTCAAACGATGGTTGTTTTGAGCAGTCTGGAA  
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 GAGTTTTAAAATCAGCATCACCAGCAAGATGATGGAGGGGCTCCTATTTTGAATACATTGTAAAATAC  
 AGAAGTAAAGACAAGGAAGATCAGTGGCTAGAGAAGAAGGTACAGGGAAATAAAGACCACATTATCTTGG  
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 CTAGGAGCCATCATTGGCCTTGGAGTTGCTGCCCTTTTGTAACTCCTTGTGGTAACAGACGTGAGTGTCT  
 TCTTCATTCGACAATGTGGTTACTAATGTGCATCACCAGGAGAATGTGCGGGAAAAAGAGTGGCTCCAG  
 TGGGAAAAGTAAAGAACCTGAAGAAGGAAAAGCAGCTTACCTGAAAGATGGATCAAAGAACCAGATAGTG  
 GAAATGAGAACAGAAGATGAAAGAATCACTAACCATGAAGATGGGAGTCCAGTAAATGAGCCAAATGAAA  
 CCACACCCTAACAGAACCTGAAAAATTGCCTTTAAAAGAAGAAAACGGAAGGAAGTTTTAAACGCAGA  
 AACTATAGAAATTAAGTGTCCAATGACATCATCCAGTCTAAAGAAGATGACATAAAGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226626 representing NM\_001113208  
Red=Cloning site Green=Tags(s)

MSLLLSFYLLGLLVRSQGALLQVTISLSKVELSVGESKFFCTAIGEPESIDWYNPQGEKIISTQRVMLQ  
KEGVRSLTIYNANIEDAGIYRCQATDAKGQTQEATVVLEIYQKLTFRVVSPOEFKQGEDAEVVCVSS  
SPAPAVSWLYHNEEVTTIPDNRFVLANNNLQILNINKSDEGIYRCEGRVEARGEIDFRDIIVIVNPPA  
IMMPQKSFNATAERGEEMTLTCKASGSPDPTISWFRNGKLIENEKYILKGSNTELTVRNIINKDGGSYV  
CKATNKAGEDQKQAFVQPHILQLKNETTSENGHVTLVCEAEGEPVPEITWKRAIDGVMFSEGDKSP  
DGRIEVKGQHGRSSLHIRDVKLSDSGRYDCEAASRIGGHQRSMHLDIEYAPKFVSNQTMYYSWEGNPINI  
SCDVTANPPASIHWRREKLLLPKNTTHLKTHSVGRKMILEIAPTSDNDFGRYNCATNRIGTRFQEYIL  
ELADVSSPHGVKIIELSQTAKISFNKPESHGGVPIHHYQVDVKEVASETWKIVRSHGVTMVVLSLE  
PNTTYEIRVAAVNGKQGDYSKIEIFQTLVREPSPPSIHGQPSSGKSFKISITKQDDGGAPILEYIVKY  
RSKDKEDQWLEKKVQGNKDHIILEHLQWTMGYEVQITAAANRLGYSEPTVYEFMPPKPNIIKDTLFNGLG  
LGAIIIGLVAALLLILVVTDVSCFFIRQCGLLMCITRRMCGKKS GSSGKSKELEEKAAAYLKDGSKEPIV  
EMRTEDERITNHEDGSPVNEPNETTPLTEPEKLPKKEENGKEVLNAETIEIKVSNDDIIQSKEDDIKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9003\\_f10.zip](https://cdn.origene.com/chromatograms/mm9003_f10.zip)

**Restriction Sites:** Sgfl-Mlul



**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\\_001113208.1](#), [NP\\_001106679.1](#)

**RefSeq Size:** 3590 bp

**RefSeq ORF:** 2514 bp

**Locus ID:** 17968

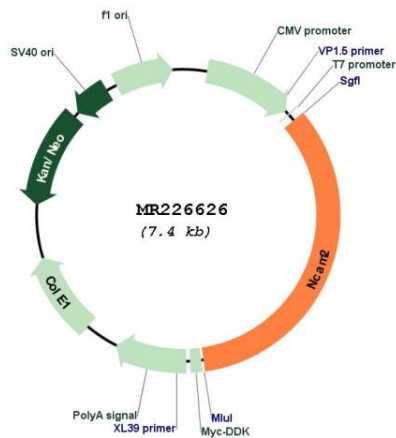
**UniProt ID:** [O35136](#)

**Cytogenetics:** 16 45.89 cM

**MW:** 93.7 kDa

**Gene Summary:** May play important roles in selective fasciculation and zone-to-zone projection of the primary olfactory axons.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226626