

Product datasheet for **MC221082**

Ncam2 (NM_010954) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ncam2 (NM_010954) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ncam2 |
| Synonyms: | Ncam-2; Ocam; RNCAM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >MC221082 representing NM_010954
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCTCCTCCTCTCCTTCTACCTGCTCGGGTGTCTTGTGTCAGGAGCGGGCAAGCTCTTCTCAAGTGA
 CAATTTCACTTAGCAAAGTAGAGCTTAGTGTGGGTGAGTCTAAATTTCTCACATGTACAGCCATTGGTGA
 GCCTGAGAGTATCGACTGGTATAACCCCTCAAGGAGAGAAGATCATTTCACGCAGAGGGTTATGCTACAG
 AAGGAGGGTGTCAAGTACGACTCACCCTCTACAATGCAAACATAGAAGATGCAGGGATATATCGCTGTC
 AAGCGACAGATGCCAAAGGACAGACACAAGAAGCTACAGTAGTTTTGGAAATTTACCAAAAACCTCACCTT
 CAGAGAAGTGGTGTCCCCTCAAGAGTTCAGCAAGGGGAGGATGCAGAAGTGGTTTGAGAGTGTGAGCAGT
 TCCCCAGCCCCTGCGGTGAGTGGTGTACCACAATGAGGAAGTACCACCATCCCCGACAATCGGTTTG
 CAGTGTCTGCAAACAATAATTTGCAGATCCTCAATATCAATAAAAAGTGTGAAGGTATATACAGATGTGA
 AGGAAGAGTGGAGGCGAGGGGAGAGATTGACTTCCGGGATATCATTGTTATTGTTAACGTTCCACCAGCA
 ATCATGATGCCCCAGAAGTCCTTCAATGTACAGCAGAGAGAGGAGAAGAGATGACCTTAACATGCAAGG
 CCTCGGGCTCCCAGATCCAACCATCTCTTGGTTCAGGAACGGCAAACCTCATTGAAGAAAATGAAAAGTA
 TATTTAAAGGGCAGTAATACAGAGCTCACTGTACGGAACATAATCAATAAAGACGGGGCTCTTATGTC
 TGCAAAGCAACAAACAAGGCAGGAGAAGATCAAAGCAGGCCCTTCTTCAAGTCTTTGTACAGCCTCATA
 TATTACAACCTTAAAAATGAGACAACATCTGAGAATGGTCATGTACACTCGTATGTGAAGCAGAAGGGGA
 GCCTGTTCAGAAATCACATGGAAAAGGCCATAGATGGAGTGTGTTTCTGAAGGTGATAAGAGTCCG
 GATGGCCGCATCGAAGTTAAAGGGCAGCATGGACGCTTCACTGCACATTAGAGATGTGAAGTTGTGTCAG
 ATTCGGGGAGATATGACTGTGAGGCCGCTAGTCGGATTGGTGGGCACCAGAGGAGCATGCACCTGGACAT
 CGAATATGCTCCTAAGTTTGTGTTTCAAATCAGACAATGTATTACTCTTGGGAAGGAAATCCAATCAACATA
 AGTTGTGATGTGACAGCAAAACCCACCTGCGTCAATCCACTGGAGAAGAGAGAAAAGTCTTACCAGCTA
 AGAATACGACTCATTTAAAAACTCACAGTGTAGGAAGAAAGATGATACTCGAGATTGCCCCACATCAGA
 CAATGACTTTGGACGATAAAGTGCACAGCTACTAACCCTATAGGCACAAGATTTAGGAATATATTCTT
 GAATTAGCAGATGTCCCCTCTAGTCCCCATGGAGTGAAGATTATAGAGCTGTACAGACCACAGCCAAGA
 TCTCTTTCAATAAACCCGAATCCCATGGAGGTGTGCCTATTCATCACTATCAAGTGGATGTCAAAGAAGT
 GGCATCAGAAACCTGGAAAATAGTACGCTCCCATGGAGTTCAAACGATGGTTGTTTTGAGCAGTCTGGAA
 CCAAATACGACTTACGAAATTAGGTTGCAGCAGTGAATGGCAAAGTCAAGGAGACTACAGTAAAATAG
 AAATATTCAGACACTGCCAGTCCGTGAGCCAAGTCCCCCTTCCATACATGGACAGCCAAGCAGTGGCAA
 GAGTTTTAAAATCAGCATCACCAGCAAGATGATGGAGGGGCTCCTATTTTGAATACATTGTAAAATAC
 AGAAGTAAAGACAAGGAAGATCAGTGGCTAGAGAAGAAGGTACAGGGAAATAAAGACCACATTATCTTGG
 AGCATCTGCAGTGGCAAATGGGCTACGAAGTCAAATCACAGCTGCCAACAGACTGGGATATTCTGAGCC
 TACTGTATATGAGTTCAGCATGCCCCAAAACCAACATTATTAAGATAAATTGCTGTGAAGCGAATAAA
 GGTGAAAATGGAGGCCAGTCATGGCATCTGAATGCTGTTGGGTTACTTTTGAATAACCATGAGTTTGT
 CTTGTTTGTTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_010954
Insert Size: 2184 bp

| | |
|-------------------------------|--|
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| Components: | <p>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).</p> |
| Reconstitution Method: | <ol style="list-style-type: none">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_010954.4 , NP_035084.1 |
| RefSeq Size: | 4893 bp |
| RefSeq ORF: | 2184 bp |
| Locus ID: | 17968 |
| UniProt ID: | O35136 |
| Cytogenetics: | 16 45.89 cM |
| Gene Summary: | <p>May play important roles in selective fasciculation and zone-to-zone projection of the primary olfactory axons.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform b which is shorter and has a distinct C-terminus, compared to isoform a.</p> |