

Product datasheet for **MR226623**

Ncam2 (NM_010954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncam2 (NM_010954) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>MR226623 representing NM_010954
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCCTCCTCCTCTCCTTCTACCTGCTCGGGTTGCTTGTGTCAGGAGCGGGCAAGCTCTTCTTCAAGTGA
CAATTTCACTTAGCAAAGTAGAGCTTAGTGTGGGTGAGTCTAAATTTCTCACATGTACAGCCATTGGTGA
GCCTGAGAGTATCGACTGGTATAAACCCTCAAGGAGAGAAGATCATTTCACGCAGAGGGTTATGCTACAG
AAGGAGGGTGTCAAGTACGACTCACCCTCTACAATGCAAACATAGAAGATGCAGGGATATATCGCTGTC
AAGCGACAGATGCCAAAGGACAGACACAAGAAGCTACAGTAGTTTTGGAAATTTACCAAAAACCTCACCTT
CAGAGAAGTGGTGTCCCCTCAAGAGTTCAGCAAGGGGAGGATGCAGAAGTGGTTTGAGAGTGTGAGCAGT
TCCCCAGCCCCTGCGGTGAGTGGTGTACCACAATGAGGAAGTACCACCATCCCCGACAATCGGTTTG
CAGTGTCTGCAAACAATAATTTGCAGATCCTCAATATCAATAAAAGTGATGAAGGTATATACAGATGTGA
AGGAAGAGTGGAGGCGAGGGGAGAGATTGACTTCCGGGATATCATTGTTATTGTTAACGTTCCACCAGCA
ATCATGATGCCCCAGAAGTCCTTCAATGCTACAGCAGAGAGAGGAGAAGAGATGACCTTAACATGCAAGG
CCTCGGGCTCCCAGATCCAACCATCTCTTGGTTCAGGAACGGCAAACCTCATTGAAGAAAATGAAAAGTA
TATTTTAAAGGGCAGTAATACAGAGCTCACTGTGACGAACATAATCAATAAAGACGGGGCTCTTATGTC
TGCAAAGCAACAAACAAGGCAGGAGAAGATCAAAGCAGGCCCTTCTTCAAGTCTTTGTACAGCCTCATA
TATTACAACCTTAAAAATGAGACAACATCTGAGAATGGTCATGTACACTCGTATGTGAAGCAGAAGGGGA
GCCTGTTCAGAAATCACATGGAAAAGGCCATAGATGGAGTGTGTTTCTGAAGGTGATAAGAGTCCG
GATGGCCGCATCGAAGTTAAAGGGCAGCATGGACGCTTCACTGCACATTAGAGATGTGAAGTTGTGTCAG
ATTCGGGGAGATATGACTGTGAGCCGCTAGTCGGATTGGTGGCACCAGAGGAGCATGCACCTGGACAT
CGAATATGCTCCTAAGTTTGTGTTTCAAATCAGACAATGTATTACTCTTGGGAAGGAAATCCAATCAACATA
AGTTGTGATGTGACAGCAAAACCCACCTGCGTCAATCCACTGGAGAAGAGAGAAAAGTCTCTTACCAGCTA
AGAATACGACTCATTTAAAAACTCACAGTGTAGGAAGAAAGATGATACTCGAGATTGCCCCACATCAGA
CAATGACTTTGGACGATATAACTGCACAGCTACTAACCCTATAGGCACAAGATTTAGGAATATATTCTT
GAATTAGCAGATGTCCCCTCTAGTCCCCATGGAGTGAAGATTATAGAGCTGTACAGACCACAGCCAAGA
TCTCTTTCAATAAACCCGAATCCCATGGAGGTGTGCTATTCACTACTATCAAGTGGATGTCAAAGAAGT
GGCATCAGAAACCTGGAAAATAGTACGCTCCCATGGAGTTCAAACGATGGTTGTTTTGAGCAGTCTGGAA
CCAAATACGACTTACGAAATTAGGTTGCAGCAGTGAATGGCAAAGTCAAGGAGACTACAGTAAAATAG
AAATATCCAGACTGCCAGTCCGTGAGCCAAGTCCCCCTTCCATACATGGACAGCCAAGCAGTGGCAA
GAGTTTTAAAAATCAGCATCACCAGCAAGATGATGGAGGGGCTCCTATTTTGAATACATTGTAAAATAC
AGAAGTAAAGACAAGGAAGATCAGTGGCTAGAGAAGAAGGTACAGGGAAATAAAGACCACATTATCTTGG
AGCATCTGCAGTGGACAATGGGCTACGAAGTCAAATCACAGCTGCCAACAGACTGGGATATTCTGAGCC
TACTGTATATGAGTTCAGCATGCCCCAAAACCAACATTATTAAGATAATTGCTGTGAAGCGAATAAA
GGTGAAAATGGAGGCCAGTCATGGCATCTGAATGCTGTTGGGTTACTTTTGAATAACCATGAGTTTGT
CTTGTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226623 representing NM_010954
 Red=Cloning site Green=Tags(s)

```
MSLLL SFYLLGLLVRSGQALLQVTISLSKVELSVGESKFFTCTAIGEPESIDWYNPQGEKIISTQRVMLQ
KEGVR SRLTIYNANIEDAGIYRCQATDAKGQTQEATVVLEIYQKLTFRV VSPQEFKQGEDAEVVC RVSS
SPAPAVSWLYHNEEVTTIPDNRF AVLANNLQILNINKSDEGIYRCEGRVEARGEIDFRDIIVIVNPPA
IMMPQKSFNATAERGEEMTLTCKASGSPDPTISWFRNGKLI EENEKYILKGSNTELTVRNIINKDGGSYV
CKATNKAGEDQKQAF LQV FVQPHILQLKNETTSENGHVTLVCEAE GEPVPEITWKRAIDGVMFSEGDKSP
DGRIEVKGQHGRSSLHIRDVKLSDSGRYDCEAASRIGGHQRSMHLDIEYAPKFVSNQTMYYSWEGNPINI
SCDVTANPPASIHWRREKLLLP AKNTTHLKT HSVGRKMILEIAPTSDNDFGRYNC TATNRIGTRFQEYIL
ELADV PSSPHGVKIIELSQT TAKISFNKPESHGGVPIHHYQVDVKEVASETWKIVRSHGVQTMVVLSSLE
PNTTYEIRVA AVNGKGQGDYSKIEIFQTL PVREPSPPSIHQ PSSGKSFKISITKQDDGGAPILEYIVKY
RSKDKEDQWLEKKVQGNKDHIILEHLQW T MG YEVQITAA NRLGYSEPTVYEF SMPPKPNIIKDNCC EANK
GENGGQSWHLNAVGF T FVITMSLSCLF
```

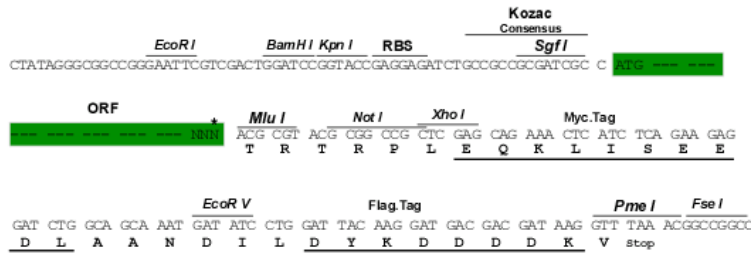
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9031_a03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



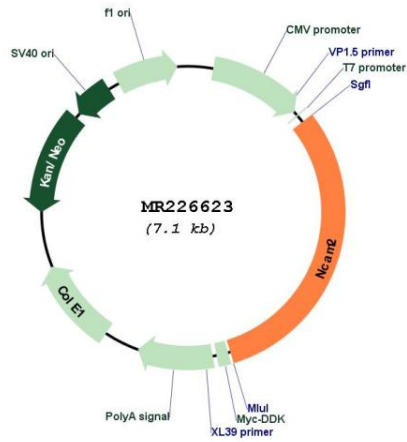
* The last codon before the Stop codon of the ORF

ACCN: NM_010954

ORF Size: 2181 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>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<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
MW:	81.7 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 MR226623