

Product datasheet for **MG226626**

Ncam2 (NM_001113208) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncam2 (NM_001113208) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncam2
Synonyms:	Ncam-2; Ocam; RNCAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG226626 representing NM_001113208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTCCTCCTCTCCTTCTACCTGCTCGGGTTGCTTGTGTCAGGAGCGGGCAAGCTCTTCTCAAGTGA
 CAATTTCACTTAGCAAAGTAGAGCTTAGTGTGGGTGAGTCTAAATTCCTCACATGTACAGCCATTGGTGA
 GCCTGAGAGTATCGACTGGTATAACCCCTCAAGGAGAGAAGATCATTTCAACGCAGAGGGTTATGCTACAG
 AAGGAGGGTGTACAGTCAAGTCACTCAATAAGCAACATAGAAGATGCAGGGATATATCGCTGTC
 AAGCGACAGATGCCAAAGGACAGACACAAGAAGCTACAGTAGTTTTGGAAATTTACCAAAAACCTCACCTT
 CAGAGAAGTGGTGTCCCCTCAAGAGTTCAGCAAGGGGAGGATGCAGAAGTGGTTTGAGAGTGCAGT
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 CAGTGTCTGCAACAATAATTTGCAGATCCTCAATATCAATAAAAGTGATGAAGGTATATACAGATGTGA
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 ATTCGGGGAGATATGACTGTGAGGCCGCTAGTCGGATTGGTGGCACCAGAGGAGCATGCACCTGGAGT
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 TGGGAAAAGTAAAGAACCTGAAGAAGGAAAAGCAGCTTACCTGAAAGATGGATCAAAGAACCAGATAGTG
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 CCACACCCTAACAGAACCTGAAAAATTGCCTTTAAAAGAAGAAAACGGAAGGAAGTTTTAAACGCAGA
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ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

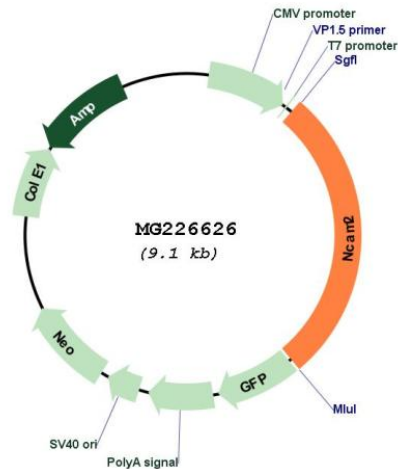
Protein Sequence: >MG226626 representing NM_001113208
Red=Cloning site Green=Tags(s)

MSLLLSFYLLGLLVRSQGALLQVTISLSKVELSVGESKFFCTAIGEPESIDWYNPQGEKIISTQRVMLQ
KEGVRSLTIYNANIEDAGIYRCQATDAKGQTQEATVVLEIYQKLTFRVVSPOEFKQGEDAEVVCRVSS
SPAPAVSWLYHNEEVTTIPDNRFVLANNNLQILNINKSDEGIYRCEGRVEARGEIDFRDIIVIVNVPPA
IMMPQKSFNATAERGEEMTLTCKASGSPDPTISWFRNGKLIENEKYILKGSNTELTVRNIINKDGGSYV
CKATNKAGEDQKQAFVQPHILQLKNETTSENGHVTLVCEAEGEPVPEITWKRAIDGVMFSEGDKSP
DGRIEVKGQHGRSSLHIRDVKLSDSGRYDCEAASRIGGHQRSMHLDIEYAPKFVSNQTMYYSWEGNPINI
SCDVTANPPASIHWRREKLLLPKANTHLKTHSVGRKMILEIAPTSDNDFGRYNCATNRIIGTRFQYIL
ELADVSSPHGVKIIELSQTAKISFNKPESHGGVPIHHYQVDVKEVASETWKIVRSHGVQTMVLLSSLE
PNTTYEIRVAAVNGKGGDYSKIEIFQTLVREPSPPSIHGQPSSGKSFKISITKQDDGGAPILEYIVKY
RSKDKEDQWLEKKVQGNKDHIILEHLQWTMGYEVQITAAANRLGYSEPTVYEFMPPKPNIIKDTLFNGLG
LGAIIIGLVAALLLILVVDVSCFFIRQCGLLMCITRRMCGKKS GSSGKSKELEEGKAAAYLKDGSKEPIV
EMRTEDERITNHEDGSPVNEPNETTPLTEPEKLPKKEENGKEVLNAETIEIKVSNDDIIQSKEDDIKA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_001113208

ORF Size: 2511 bp

OTI Disclaimer: 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](#)

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:

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

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