

## Product datasheet for **MR209347**

### **Ncam1 (BC011310) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ncam1 (BC011310) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncam1
Synonyms:	Ncam, CD56, NCAM-1, NCAM-120, NCAM-140, NCAM-180, E-NCAM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR209347 representing BC011310  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCGAACTAAGGATCTCATCTGGACTTTGTTTTCTGGAACTGCAGTTTCCCTGCAGGTAGATA  
 TTGTTCCAGCCAAGGAGAAATCAGCGTTGGAGAGTCCAATTCTTCTGTGTCAAGTGGCAGGAGATGC  
 CAAAGATAAGGACATCTCCTGGTTCTCCCCAATGGGGAGAAGCTGAGCCCAAACCAGCAGCGGATCTCA  
 GTGGTGTGGAATGATGACGACTCCTCTACCCTCACCATCTACAACGCCAACATCGACGATGCCGGCATAT  
 ACAAGTGTGTGGTACGGCTGAGGACGGCACCCAGTCTGAGGCCACTGTCAACGTGAAGATCTTCCAGAA  
 GCTCATGTTCAAGAATGCACCAACCCACAGGAGTTTAAGGAAGGGGAGGATGCTGTGATTGTCTGTGAT  
 GTGGTCAGCTCCCTGCCTCCAACCATCATCTGAAACACAAGGCCGAGATTTTCATTCTGAAAAAGACG  
 TCCGGTTCATAGTCTGTCCAACAACACTCTGCAGATCAGGGGCATCAAGAAAACAGATGAGGGTACTTA  
 CCGCTGTGAGGGCAGGATCCTGGCCCGGGGAAATCAACTTCAAGGACATTCAGGTCATTGTGAATGTA  
 CCACCCACTGTCCAGGCCAGACAGAGCATCGTGAATGCCACTGCCAACCTGGGCCAGTCTGTACCCTGG  
 TGTGTGATGCCGATGGCTTCCCAGAGCCACCATGAGCTGGACAAGGATGGGGAACCCATAGAGAACGA  
 GGAGGAAGATGACGAGAAGCACATCTTCACTGATGACAGCTCCGAGCTGACCATCAGGAATGTGGATAAA  
 AACGACGAGGCCGAATACGTCTGCATCGCAGAGAACAAGGCTGGCGAGCAGGATGCCTCCATCCACCTCA  
 AGGTCTTTGCAAAGCCAAAAACACCTATGTAGAGAATCAGACGGCCATGGAAGTACAGGAGCAAGTAC  
 TCTGACCTGTGAAGCCTCCGGAGACCCATCCCCTCCATCACCTGGAGAACATCCACCCGGAACATCAGC  
 AGTGAAGAAAAGACTCTGGATGGGCACATGGTGGTTCGCAGCCATGCTCGTGTCTCTTGCCTTGCCTGA  
 AGAGCATCCAGTACACAGATGCTGGAGAATACATCTGCACTGCCAGCAACACCATCGGCCAGGATCCCA  
 GTCCATGTACCTCGAAGTTCAATATGCTCCCAAGCTCCAGGGCCCTGTGGCTGTGTACACTGGGAAGGG  
 AACCGAGTGAACATCACCTGTGAGGTCTTCGCCTACCCAAGTGCCACAATCTCCTGGTTCGAGATGGTC  
 AGTTGCTGCCAAGCTCCAACACAGCAATCAAGATCTACAACACCCCATCTGCTAGCTATCTGGAGGT  
 GACCCCTGATTCAGAAAATGACTTTGGAAACTACAACGTACAGCAGTGAACCGTATTGGACAGGAGTCC  
 TTGGAATTCATCCTTGTCAAGCAGACACACCGTCTTCTCCATCCATTGACCGGGTGAACCATACTCCA  
 GCACAGCGCAGGTGCAGTTTGTAGCCAGAGGCCACAGGGGGCTGCCATTCTCAAGTACAAGGCTGA  
 GTGGAAGTCGCTGGCGAAGAATCCTGGCATTTCAGTGGTATGATGCCAAGAAGCCAACATGGAAGGC  
 ATTTGCACCATCATGGGCTGAAACCTGAGACGAGGACTCGGTACGACTGGCGGCCCTCAACGGCAAGG  
 GGCTGGGCGAGATCAGTGCAGCCACTGAGTTCAAGACACAGCCAGTCCGTAAAAGCTCTTTGTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209347 representing BC011310  
 Red=Cloning site Green=Tags(s)

MLRTKDLIWLFFLGTAVSLQVDIVPSQGEISVGESKFFLCQVAGDAKDKDISWFSNPNGEKLSPNQQRIS  
 VVWDDSSSTLTIYNANIDDAGIYKCVTAEDGTQSEATVNVKIFQKLMFKNAPTQEFKEGEDAVIVCD  
 VVSSLPPTIIWKHKGRDFILKDVRFIVLSNNYLQIRGIKKTDEGTYRCEGRILARGEINFKDIQIVNV  
 PPTVQARQSIVNATANLGQSVTLVCDADGFPEPTMSWTKDGEPIENEEEDDEKHIFSDSSELTIRNVDK  
 NDEAEYVCAENKAGEQDASIHKVFAPKITYVENQTAMELEEQVLTCEASGDPIPSITWRTSTRNIS  
 SEEKTLDGHMVVRSHARVSSLTLKSIQYTDAGEYICTASNTIGQDSQSMYLEVQYAPKLQGPVAVYTWEG  
 NQVNITCEVFAYPSATISWFRDQLLPSSNYSNIKIYNTPSASYLEVTPDSENDFGNYNCTAVNRIGQES  
 LEFILVQADTPSSPSIDRVEPYSSTAQVQFDEPEATGGVPIKLYKAEWKSLGEESWHFKWYDAKEANMEG  
 IVTIMGLKPETRYSVRLAALNGKGLGEISAATEFKTQPVRKSSLF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC011310.1</a>
<b>RefSeq Size:</b>	2544 bp
<b>RefSeq ORF:</b>	1817 bp
<b>Locus ID:</b>	17967
<b>Cytogenetics:</b>	9 26.83 cM
<b>MW:</b>	93.3 kDa
<b>Gene Summary:</b>	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.[UniProtKB/Swiss-Prot Function]