

## Product datasheet for **RN213674**

### **Ncam1 (NM\_031521) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ncam1 (NM_031521) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ncam1
Synonyms:	Cd56; N-CAM; N-CAM-1; Ncam; NCAM-1; NCAM-C; NCAMC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213674 representing NM\_031521  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGCGAACTAAGGATCTCATCTGGACTTTGTTTTCTGGAACTGCAGTTTCCTGCAGGTAGATA  
 TTGTTCCAGCCAAGGAGAAATCAGCGTTGGAGAGTCCAAATTCTCCTGTGTCAAGTGGCAGGAGATGC  
 CAAAGATAAGGACATCTCCTGGTTCTCCCCAACGGGGAGAACTGAGCCCAAACAGCAGCGGATCTCA  
 GTGGTGTGGAACGATGATGACTCCTCTACCCTCACCATCTACAACGCCAACATTGATGATGCCGGCATT  
 ACAAGTGCCTGGTACCCTGAAGACGGCAGTCCGAGGCCACTGTCAATGTGAAGATCTTCCAGAA  
 GCTCATGTTCAAGAATGCGCCAACCCACAGGAGTTTAAGGAAGGGGAAGATGCTGTGATTGTCTGTGAT  
 GTGGTCACTCTGCCCCAACCATCATCTGAAACACAAGGCCGAGATGTCATCTGAAAAAAGATG  
 TCCGGTTCATAGTCTATCCAACAACACTCTGCAGATCCGAGGCATCAAGAAAACAGATGAGGGCAGTTA  
 CCGCTGTGAAGGCAGGATCCTGGCCGGGGGAGATCAACTTCAAGGACATTCAGGTCAATGTGAATGTA  
 CCACCCACTGTCCAGGCCAGACAGAGCATCGTGAATGCCACTGCCAACCTGGGCCAGTCTGTACCCTGG  
 TGTGTGATGCCGATGGCTTCCCAGAGCCACCATGAGCTGGACAAGGATGGGGAACCCATAGAGAAATGA  
 GGAGGAAGATGACGAGAAGCACATCTTCACTGACGACAGTTTCGGAGCTGACCATCAGGAATGTGGACAAA  
 AATGACGAAGCCGAATACGTCTGCATCGCTGAGAACAAAGGCTGGCGAGCAGGATGCCTCCATCCACCTCA  
 AGGTCTTCGAAAGCCAAAAACACCTATGTAGAGAATCAGACAGCCATGGAAGTACAGGAGCAAGTCA  
 TCTGACATGTGAAGCCTCCGGAGACCCATTCTTCCATCACCTGGAGAACGTCACCCGAAACATCAGC  
 AGTGAAGAAAAGGCATCGTGGACTCGACCAGAGAAGCAAGAGACTCTAGATGGGCACATGGTGGTACGCA  
 GCCATCGTGTGTCTCCCTGACCCTGAAGAGCATCCAGTACACAGATGCTGGGAATACATCTGCAC  
 TGCCAGCAACACCATCGGCCAGGACTCCAGTCCATGTACCTTGAAGTTCAATATGCTCCCAAGCTCCAG  
 GGCCCTGTAGCTGTGTACACTTGGGAAGGGAACAGGTGAACATCACCTGTGAGGTCTTTGCCTACCCAA  
 GTGCCACAATCTCCTGGTCCGAGATGGCCAGTTGCTGCCAAGCTCCAACACAGCAATATCAAGATCTA  
 CAACACCCCATCTGCGAGCTATCTGGAGGTAACCCCTGATTCCGAAAATGACTTTGGAACTACAACCTGC  
 ACAGCGGTGAACCGTATTGGACAGGAGTCTTGGAAATTCATCCTGGTTCAAGCAGATACACCATCTTCCC  
 CATCCATCGACCCGGTGGAAACATACTCCAGCACAGCACAGGTACAATTTGATGAGCCAGAAGCCACAGG  
 TGGAGTCCCATCTCAAATAAAGGCTGAGTGGAAAGTCGCTGGGTGAAGAAGCATGGCATTCCAAGTGG  
 TATGATGCCAAAGAAGCCAACATGGAAGGATTGTCACCATCATGGCCCTGAAGCCTGAGACAAGGTACG  
 CGGTACGACTGGCGGCCCTCAACGGCAAGGGGCTGGGCGAGATCAGTGCAGCCACTGAGTTCAAGACACA  
 GCCAGTCCGGGAACCCAGCGCACCAAGCTGGAAGGGCAGATGGGAGAGGACGGGAACTCCATCAAGGTG  
 AACCTGATCAAGCAGGATGACGGCGGCTCCCCATCAGACACTATCTGGTCAAGTACAGAGCGCTCGCCT  
 CCGAGTGGAAACCAGAGATCAGGCTCCCGTCCGGCAGTGACCACGTATGCTCAAGTCCCTAGACTGGAA  
 CGCCGAGTACGAAGTATATGTGGTAGCTGAGAACCAGCAAGGAAAATCCAAGGCAGCTCACTTTCGTGTT  
 AGGACTTCAGCCAGCCACGGCCATCCCAGCCAATGGCAGCCCCACTGCAGGCTGAGCACAGGCGCCA  
 TTGTGGGCATCCTCATTGTCAATTTTCGTCTACTCCTGGTGGTCAATGGACATCACCTGCTACTTCTGAA  
 CAAGTGTGGCCTGCTCATGTGCATCGCTGTTAACCTGTGCGGCAAGCGGGGCCGAGCCAAGGGCAAA  
 GACATGGAGGAGGCAAGGCTGCTTTCTCGAAAGATGAGTCTAAAGAACCATTGTAGAGGTCCGAACGG  
 AGGAGGAACGGACTCAAACCATGACGGAGGGAAGCACACAGAGCCAAACGAGACCACACCACTGACAGA  
 GCCCGAGAAGGCTCTGTAGAAACAAAGTCCGAGCCCCAGGAGTCAAGCAAGCCAGCGCCAACCTGAA  
 GTCAAGACGGTCCCAATGAAGCCACACAACGAAAGAGAATGAGAGCAAAAGCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031521  
**Insert Size:** 2577 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">NM_031521.1</a> , <a href="#">NP_113709.1</a>
<b>RefSeq Size:</b>	3170 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	24586
<b>UniProt ID:</b>	<a href="#">P13596</a>
<b>Cytogenetics:</b>	8q23
<b>Gene Summary:</b>	cell adhesion molecule; involved in neuronal cell adhesion [RGD, Feb 2006]