

Product datasheet for RN211835

Nrcam (NM_013150) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrcam (NM_013150) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrcam
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211835 representing NM_013150 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGAAGAAGAAGCCCTTGTCTGCAGGCAGAGCCCTGTTTCTCTCTGTGCCAGATGATCAGCG
CTCTGGATGTTCTCTTGTATCCAAAGCTCCTTGTGACTTGGTACAGCCTCCAATCACTCAACAGTC
ACCAAAGACTACATCATTGACCCACGGGAGAATATTGTAATCCAATGTGAGGCCAAAGGAAACCTCCT
CCAAGCTTTTCTGGACTCGTAACGGAACACATTTTGACATAGACAAAGACCCTCTGGTCACTATGAAGC
CTGGCTCAGGAACCTTGTCAATCAATCATGAGTGAAGGAAAGCGGAGACCTATGAAGGGTTTACCA
GTGCACTGCAAGGAATGAGCGGGAGCTGCTGTCTCCAATAACATTGTTGTCCGCCCTCTAGGTCACCC
TTGTGGACCAAGGAAAGACTTGAACCAATAATCCTCCGAAGTGGTCAGTCACTAGTACTACCATGTAGGC
CTCCAATTGGATTACCACCGCCATAATTTTTGGATGGATAACTCCTTTCAAAGACTGCCACAGAGTGA
GCGGGTTTCCAAGGACTGAATGGAGACCTTTACTTCTCCAATGTCTCCAGAGGACACCCGTGAGGAC
TACATCTGCTATGCCAGATTTAATCACACTCAAACAATCAACAGAAACAACCTATTTCTCTGAAGGTGA
TTTCAGTGGATGAATTGAATGACTATAGCTGCTAATTTGAGTGACTGAGTTTTATGGTGCTAAATC
TAGTAAAGAGAGGCCACCAACATTTCTAACTCCAGAGGGCAATGAAAGTCAAGGAAGAATTAAGAGGA
AACGTGCTTTCCCTGGAGTGCATTGCAGAAAGCCCTACCTACTCCAGTTATTTACTGGATCAAGGAAGATG
GAACGCTTCTGTCAACCGGACGTTTTATCGGAACTTTAAGAAAACCTTGCAGATCATTCAATGTCTCTGA
AGCAGACTCTGGAAATTCAGTGCATAGCAAAAACGCATTGGGAGCCGTCCATCATACCATTTCTGTC
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CCCTCATCTGCAGAGCTAACGGCAACCCAAAACCCAGAATTAGCTGGTTAAACAAATGGAGTCCCAGTAGA
AATTGCTCTCGATGACCCAGCCGAAAAATCGATGGTGATACCATTATGTTTTCAAATGTTCAAGAAAGC
TCAAGTGGGTTTATCAGTGAATGCCTTAACAATATGGATATTTACTAGCAAATGCAATTTGTAATG
TGCTCGCTGAACCACCTCGGATTTACCTCAGCAAAACACACTGTACCAGGTCATTGCAAACCGGCTGC
TTTGCTGGACTGTGCCTTCTTTGGGTCTCTATGCCTACCATTGAGTGGTTTAAAGGAACTAAAGGAAGC
GCTCTTACGAAGACATTTATGTTTTACATGATAACGGAACGCTAGAAATTCCTGTGGCCAAAAGGATA
GTACAGGGACATACTTGTGTCGCAAGGAATAAATTAGGGATGGCAAAGAATGAAGTTCCTTGGAAAT
CAAAGATCCAACAGGTTTATTAACAACCTGAATATGCAGTCGTTCCAGAGGGGAGCAAGGTTTCTTT



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GAATGCAAAGTGAACACGACCACACCTTAATCCCCACCATTCTGTGGCTGAAGGACAATGGAGAGCTGC
 CCAATGATGAAAGGTTCTCTGTGCGACAAGGACCATCTGGTGGTCTCTGACGTAAGGATGAAGATGGTGG
 GACCTACACATGTGCAGCCAACAACGCTGGACAGTGTTCAGCCAGCGCCGTGCTCAGGGTGGTCGCT
 CCTACTCCAATCCAGCCCCATTTACGATGTCCGAATCCTCCCTTTGATTTAGAATTGACCAATCAAC
 TTGACAAAAGTGTTCAGCTGACATGGACCCAGGCGATGACAACAATAGTCCCATTACAAAATTCATCAT
 CGAGTATGAAGATGCAATGCATGAGGCAGGGCTGTGGCGCCACCAGGCGGAAGTTTCTGGAACGCAGACC
 ACAGCCCAGCTGAAGCTGTCTCCCTATGTGAACTACTCCTTCGAGTCATGGCGGAGAACAGCATCGGGA
 GGAGTGTGCCAAGCGAGGCATCGGAGCAGTATCTTACAAAGGCCGCGGAACCAGACCAGAATCCCACGGC
 TGTGGAAGGACTAGGGACAGAGCCGACAACCTGGTGATCACATGGAAGCCCTGAATGGTTTTCAATCG
 AATGGGCCCGGCCTCCAGTACAAAGTGAGCTGGCGTCAGAAAGATGGTGACGATGAATGGACGTCTGTGG
 TTGTGGCCAAATGTATCCAAATACATTGTTTCTGGCACACCAACTTTTGTCCATACCTGATAAAAGTTCA
 AGCCCTGAATGATGTGGCTTTGCTCCAGAGCCAGCTGCAGTCATGGGACATTCGGGAGAAGACCTTCCA
 ATGGTGGCTCCTGAAAATGTGCGTGTCAAGTGTGGTGAACAGCACCTTGGCAGAGGCACACTGGGACCCTG
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 CCAGGGCTGCAACCTTACAGTCACTATGTTCTCAATGTCCGAGTGGTCAATGGGAAAGGGGAGGGCCAG
 CCAGCGCCGACAGAGGCTTCCATACTCCAGAGGGAGTCCCTAGTGTCTCCCTCATCTTTGAAAATTGTTAA
 TCTTACTGACTCTCTCACTTTGGAATGGGACCCTCCAAGCCACCCAAATGGTATCCTGACTGAATAC
 ATCTTAAAATATCAGCCAATTAATAGCACACACGAACTAGGCCCTCTGGTAGATTTAAAAATTCCTGCCA
 ACAAGACACGCTGGACTTTGAAAAATTTAAATTCAGCACTCGGTACAAGTTCTACTTCTATGCACAAAC
 ATCAGTGGGATCGGGCAGTCAGATCACAGAGGAAGCAATAACAACGTGGACGAAGCTGGTATTCTTCCA
 CCTGATGATAGGTGCAGGCAAAGTCCGTGCAGTAAGTCCAGGATCGGCAATGTCAGTCTGCAGCTGCTG
 AGACGTATGCCAATATCAGTTGGGAATATGAGGGACCAGAGCATGTGAAGTTTTATGTTGAATATGGTGT
 AGCAGGCAGCAAAGAAGAAATGGAGGAAAGAGATTGTAATGGTTCTCGGAGCTTCTTTGGGTTAAAGGGT
 CTAATGCCAGGAACAGCATACAAAGTCCGAGTTGGTGCTGAGGGGACTCTGGTTTTGTGAGTTCAGAGG
 ATGTGTTTGAGACAGGACCAGCAATGGCAAGTCCGCAAGTGGATATTGCGACCCAAGGCTGGTTCATAGG
 TCTAATGTGTGCTGTTGCCCTCCTCATCTTAATTTTGCTAATCGTTTGCTTCATCAGAAGAAACAAAGGT
 GGTAAATATCCAGTTAAAGAAAAGGAGGATGCTCACGCAGACCCTGAAATCCAGCCCATGAAGGAGGATG
 ACGGAACGTTTGGAGAATATAGTGATGCAGAAGATCACAAGCCTTTGAAAAAAGGAAGTCGAACACCTTC
 AGACAGGACTGTAAAAAAGAAGATAGTGATGACAGCCTGGTTGACTATGGCGAGGGGTGAATGGCCAA
 TTCAATGAGGATGGCTCCTTTATCGGACAATACAGTGGTAAGAAAGAGAAAGAACCAGCAGAGGGAATG
 AAAGCTCAGAGGCCCTTCTCCTGTCAACGCAATGAACTCCTTTGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_013150

Insert Size:

3900 bp

OTI Disclaimer:

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).

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_013150.1](#), [NP_037282.1](#)

RefSeq Size: 7556 bp

RefSeq ORF: 3900 bp

Locus ID: 497815

Cytogenetics: 6q21

Gene Summary: a neuronal cell adhesion molecule localized at the node of Ranvier of myelinated axons [RGD, Feb 2006]