

Product datasheet for **RN217615**

Nacad (NM_001100655) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nacad (NM_001100655) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nacad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217615 representing NM_001100655 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCGGGAGGCTGCGGGCGCTGAGCTGCCGCTGCCTGAGGCAGGAGGGTCTGGATCCCGCACAGATC
TCCCATGTGATGCAGCTATTGCAACCATCTGAAAGGGGACCAACGAGAGCCCCATGGCCTGACCCAGG
GCCTAGCCCTCTGGCGCTCACATTCTGTCCAGCAAGCCAGGTGCCCGGCCCCAGCCTGAGGGGGCCAGC
TGGGATGCAGGGCCAGTGGGGCTGCCTCAACCTGGGTGGACCCGGCAGAGGGCAGCCCGAGCCTAGTGG
TCCTCCCTGAGGGCTGCCTCTCCGGCTGTGCCTGCCGATGTCCCTCTCCCCACCACCTGGAGCCCCG
CATCGTGATGGGTGAGGAAACATGCCAGGTCTCCCTTACCCAGGGCGGCTGGCCAGTGCTCAGGGAC
CGGGAGGGTGGGCACACTGCCCTGCACCCACCTCCGGAGCTGTGTTCTCAGGGTGATCCTCTGTGCCTT
CCCCCCCCCTGATCTCGATTCTTACTTCACACCCCCCTCTACTCCCACCAAGACCACCTATGCCCTGCT
TCCTGATCATGGGCCCCACAGGGGTGCCTGGGGTCTGGAGGCCGAGCTGCTGGATGAGTTACTGGACTCA
ACACCAGCCTCACCTCCGGCTCTACATTACGGCAGACGGGGACAGCTGGGCTTCATCGCTTCTGTT
CCCTCAGCCTGCTGGCCCTGCCGAGGGCTGGACTTCCCCTCCGAGTGGGGCTCTCCCCATCAGGGTC
AGTGGTAGATGAAGTAGAGCCCCACCCACGGCACCTCCCGAGCCACCATCTCTGAGTCCAGCCTCTCA
GCAGACTGCAGCTCTTCTGGAGCCAAGAGGGCCATTTCTTTGACCCAACTGCCTGGCCAAACGACCCGA
TGATCCCTGCCGCCCTCTGCCCTTCCGGGTAGCCTCATCTTCCAGGTGGAAGCTGTGGAGGTGACACC
GTTGCCCAAGAGGAGGAGGAGGATGAAGAGGAGGGAGCTGCTGCTGCTGCTGCTGCTGCAACCCCG
GATGGAGACCTGGCTGGAGAGGGTGAAGACGACAGCACATCTGCCTCCTTCTGTCAGTCGCTGTCCGACC
TGTCATTATCGAGGGCATGGATGAGGCCTTCGCTTCCGGGACGATACCTCGCGGCCCTCTCTGACTC
AGACTCAGCTTCTACGAGGGGCAGATGATGACAGGCTATACAGTGGGAGCCCCATGCCAGCCAGT
GCTCAGAATATAGAGCAGGAGTACAGGAGCAGGACCGCATTTCCAGGGGCAGCAGAGTTCACACCTCAGA
CATCAGAGCAAGAGATCTGCCTAACCGATAGCCAGGAGTCGGCTGCAGAAATAGCAGAAGAGATTCTAAC
TTTAGGCATAGAGTCCGAAGCTACTAGGACACCTCCTGATCGGCAACAGCTCCAGACCCCGAGGTGGAG
GAAGTACCACAGTGACCCCATGGGTGGAGAACAAAGATGACTCAGTTGCTGAACAAGCATCCAAGGCTC
TTCTGAGCCCTGCCAGAAGGGGACAAGCATGATCTTAGGCTGTAACCCCTCACTGCAAAGGCAATTCC



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AGATCTGCAGGAAGGAGCAGGCCCTGCCATGTGTCCAGTCTTCTGAGAACTTGAAGGAAGGAGGCCAG
GGCCTTCCCTCCACAATGGAGTATGTGGCTGTGGCTTCACTGGGGCCCTGGAAGGCTGAGGGAGGTGTCG
CAATACCGCAGGACCCCTTTATGACATTACCCCACTCTTGCAAAATACAGATCCACCTCAGGCCCCGA
GTCTGTGGCTGTAGTCATGCTAGAGCCCCAGCAAGATGAGGGATGTGTACAGTACTCCAGGATGTTCTT
GTGGTATCACTTCCATCCCCACAAAGTACAGATCCAACCCAGGTCTGAGGCTGGGGCCATGGCTACAT
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GCAAGCCTCAGACCCACCTCAGAGCCAGAACCCTGAGGCTGTGCTTACACTGAGGTCCCAGCAGGATGAA
GAGATTGTCACAGTACCCAGGAGTCTCCTACAGCATCATCTGTACCCCTGCAAAGCTCAGATCCACCT
CAGAGCCAGAACCCTGAGGCTGCTGCCACACCGGAACACAGCAGCCTGAGGAGGGTGTACCATACCCCA
GGTTGCCCCAGTAGCATTACCTTCAACCTGCAAGGCTTAGATTCAACCTCAGACCTAGAATCTGTGGTT
GCAGGCACAATGGAGTCTTGGCAGGATGAAGGGATTGCCACAGCAACCCAGGACATGCCTGTGGTGGCAC
CTCCACCCCTTGGAGGTATAGAGTCCACCTCAGACCCAGAGCTGAGTGTCAAGACACCCCTCAGGCCCT
GCAGAGAGAAGCAGGCTACACCCCGGAACCAAGCCTTCTGTCTCTGAGGCCCATCAGGAATTAGGTGTG
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ACCAAGCCCAACAGAATGGCTCAGAGCCAGTTGTAAGAATGACAACCTTGGGGTTCCAGGAGAAGGGTC
AGGTCCCACTTTGAGCACAAGACCTCTGAGCCCTATCCTGTATGGGGGAGAAAGTAACTGAGAACCTA
GCTGCACCCAAGCCAGGAGCATGTCTTGAAGCCACGATGGGGCCAAGACACACTCACCTCAAAGACAGG
CCTCGAGGGCCAAGAACAAGTGTGGGAGAGGCCCAACCAACCCAGGGCAGGGAAAGGGGTCCAAGTCAAC
AGCATCGCAGGGTACCACGGAGACCTTCAAGGCGCATTCTGCTGCACGCTCTGAGACCAGCCAGCCACAG
CTGATGAACTCCGCTGGGGAGGGAACAAGCCTGAGTGTCAAGGACTCCTCAGGCCCCAGGCTTCTGTGG
CTGTATCTGTACAATCCAAGCTTGGTTCTGCCAGGGTCCCCAGCAAGAGCCACATGCACACTGAGCAG
GGTCTACTCTGAAGAGACTGCCAGGTGTGACCAACCCCTTCAGCACCCGAGCCTGTGCTAGGCCTAGGC
AGCGGAGAACAGCCCAAGGTGACCTTGGTACCCTTAATCTCTCCTCAGAAAACCTGCAGGTGACCTGC
TCACCACACCTCAGAATAGGCTTCTGGACCTGACCCCTGACCCCTTCTGCTCCAGTGCCCTCAACAGGGC
ATTCCAATCATCCCCAGGGCCCCAGACCTTGCCTGTGCCCCACTTCCCAGAAAGACCTGTGGAAGAG
GAGAAGCCCTCAGCCTCTCATGGTCTGAGGTCTCGGGCAGGAGTCCAGGGAGCTGCTGCCATTACCACCT
CAGGATCCACAAGCCTCTGGGAGCCCGCAACGTGTGACGCTCTCACCTCACTCCGCCAATCCCAAGGT
GACCCCCACAGATGCCAAAGACCCGGCTTGATCATCTCAAGCCCTGCCAAGTGCCTCTCCCTCTGGG
ACCCAAAACCATCGGGCCCTCGAGGGTCCCAGCTCATGAACAAGAGGATGAGGACAGCCTGGAGGAAG
ACTCGCAGAGGGCCCCAGGCTCCGGCCAGCATTGAGAGAGCCACGGGAGTCTGCGGTGAGCTGGATGA
GCAGGATATCTACCTCAGAAATCGCAGTGCCCGGCACAGGACCCAGCCGCGCAGCAATGAGGAGACCACT
GCCAAAGCCAAGCAAAGCCGAGCGAGAAGAAGGCTCGAAAGGCAATGTGAAACTGGGCTTACGGCAGA
TTCAGGGAGTCACCAGGATCACCATCCAGAAGTCAAAGAACATCTGTTTGTGATTGCCAAGCCAGATGT
CTTCAAGAGCCCTGCCTCAGACACCTATGTGGTCTTGGTGGAGGCCAAGATTGAGGATCTGTCCCAGCAA
GTACACAAAGCAGCAGCGGAGAAGTTCAAGGTGCCCTCAGAGTCTCAGCCCTGGTCCCTGAGCTGGCCC
CTGGGCCCCGGGTGAGGCCAGAGTGTGAGGAGCAAGAGGAGGAAGAGGAGGAGGTAGAGGAGGCCGGGT
AGAACCTCGTGACATTGAACTGGTGTGAGGCCAGGCCAATGTGTCCAGGGCAAAGGCTGTGCGGGCCCTG
AAGGACAACCACAGTGACATTGTCAATGCCATCATGGAAGTACAATGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001100655

Insert Size:

4251 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001100655.2, NP_001094125.2</u>
RefSeq Size:	4362 bp
RefSeq ORF:	4251 bp
Locus ID:	289786
Cytogenetics:	14q21