

Product datasheet for **RR205725**

Nae1 (NM_032072) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nae1 (NM_032072) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nae1
Synonyms:	Appbp1; RGD1563180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205725 representing NM_032072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTCAGCAAGGAAGATACTCAAGGAGCAAAAGTACGACCGCAGCTGAGGTTGTGGGGTGATCATG
 GTCAAGAAGCTTTGGAATCTGCTCACGTTTGCTTGATAAATGCCACAGCTACAGGAACGGAAATCTTAA
 AAACCTGGTACTGCCAGGTATAGGATCATTTACAATTATCGATGAAATCAGGTACGCGAGAAGATGTT
 GGAAACAATTTTTCTTCAAAATGCAGTATTGGCAAGAATCGAGCTCAAGCTGCCATGGAATCTTAC
 AAGAGCTAAATAGCGATGTCTCTGGAAGTTTGTGGAAGAGAGTCCAGAAAACCTCTAGACAATGATCC
 TTCATTTTCTGTAGGTTTACTATTGTGGTTCGAAGTCTTCTGAAAGTACATTACTACGTTTAGCA
 GATGTCCTCTGGAATCCAGATCCCTCTTTGATCTGTAGGACATATGGCTAGTTGGTTATATGAGGA
 TTATTATAAAGAACATCCAGTAATAGAATCTCATCCAGATAATGCATTGGAGGACCTACGACTAGATAA
 GCCATTTCTGAACTGAGAGAACATTTTCAGTCTTATGACTTGGACCATATGGAAAAAAGGACCATAGC
 CATACTCCATGGATTGTGATCATAGCTAAATTTAGCCAGTGGTATAGTGAGACAAATGGACGAATTC
 CTAAGAGTTATAAAGAAAAAGAGGACTTCAGAGAATTGATAAGACAAGGGATTTTAAAGAATGAGAATGG
 AGCTCCAGAAGATGAAGAGAATTTGAAGAAGCTATTAAGAAATGTGAACACAGCACTAAATACAACCTCAG
 ATCCCAAGCAGTATTGAAGATATATTAATGATGATCGCTGCATAAATATCACCACAGACCCCATCTT
 TTTGGATTTAGCTCGTGCCTTAAAGGAATTTGTGGCCAAGGAGGGTCAAGGAAATTTACCTGTTGAGG
 CACAATTCCTGATATGATTGCAGATTCAAGCAAATACATAAAATTGCAGAATGTTATCGTGAGAAAGCA
 AAGAAAGATGCTGCTGCTGTAGGTAATCATGTTGCCAAATTGCTTCAGTCTGTTGGCCAGGCACCCAGAGT
 CCATTTCCAGAGAAAGAATTAAGAACTGCTTTGTAGCAATTCTGCATTTCTCGAGTGGTAAGATGTCGGTC
 TTTAGCTGAAGAGTATGGTTTGCATACAGTCAACAAAGATGAAATTTATTTCTAGCATGGACAATCCGGAT
 AATGAGATAGTCCTGTACCTAATGTTGCGGGCTGTTGATCGATTTATAAGCAGCATGGCAGATACCCAG
 GAGTATCTAACTATCAAGTTGAAGAAGATATAGGGAAGTTGAAGTCTGTCTTACTGGCTTCCTTCAGGA
 ATATGGGTTGTCTGTAATGGTGAAGGACGATTATGTCCATGAATTTTGGCGGTACGGAGCTGCTGAGCCA
 CACACCGTTGCTGCATTCTGGGAGGAGCTGCTGCTCAAGAAATTATCAAATAATCACCACAAATTTG
 TAATTTTAACTACTTATATTTATAGTGGTATGTCACAACTTCTGCAACTTTCCAATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205725 representing NM_032072
 Red=Cloning site Green=Tags(s)

MAQQGKILKEQKYDRQLRLWGDHGQEALESASHVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSGEDV
 GNNFFLQKCSIGKNRAQAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTIIVVATQLLESTLLRLA
 DVLWNSQIPLLICRTYGLVGYMRIIIEKHPVIESHPDNALEDLRDKPFPELREHFQSYDLHMEKKDHS
 HTPWIVIIAKYLAQWYSETNGRIPKSYKEKEDFRELIRQGILKNENGAPEDENFEEAIKNVNTALNTTQ
 IPSSIEDIFNDDRCINITKQTPSFWILARALKEFVAKEGQGNLPVRGTIPDMIADSSKYIKLQNVYREKA
 KKDAAAVGNHVAKLLQSVQAPESISEKELKLLCSNSAFLRVVRCRSLAEEYGLHTVNKDEIISMDNPD
 NEIVLYMLRAVDRFHKQHGRYPGVSNYQVEEDIGKLKSLTGFLQEYGLSVMVKDDYVHEFCRYGAAEP
 HTVA AFLGAAAQEVIKIITKQFVIFNNTYIYSGMSQTSATFQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_032072

ORF Size: 1602 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_032072.4](#), [NP_114461.3](#)

RefSeq Size: 1803 bp

RefSeq ORF: 1605 bp

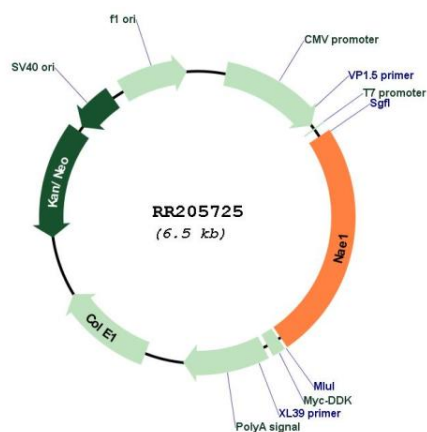
Locus ID: 84019

Cytogenetics: 19p14

MW: 60.4 kDa

Gene Summary: may induce apoptosis [RGD, Feb 2006]

Product images:



Circular map for RR205725