

Product datasheet for **RR211491**

Nrbp2 (NM_001135007) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrbp2 (NM_001135007) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211491 representing NM_001135007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCGGAGCCGGCCGAGGAGAGGCCGGGAACGCGAGCGGGAGGACGAGAGCGAGGACGAGA
 GCGACATCCTGGAGGAGAGCCCGTGTGGCCGCTGGCAGAAGCGGGGAGCAGGTGAACCAAGGGAACAT
 GCCCGGGATTAGAGCACCTTTCTGGCCATGGACACGGAAGAGGGGGTAGAAGTGGTGTGGAACGAACTC
 CACTTCGGGGATAGGAAGGCCTTTGCGGCCATGAGGAGAAGATCCAGACCATGTTTGAGCAGCTGGCGC
 TGGTGGACCACCCCAACATCGTCAAGCTGCACAAGTATTGGTGGATGCCTCTGAGGCCCGCGGAGGGT
 CATCTTCATCACAGAATACGTGTCGTCTGGCAGCCTCAAGCAGTTCCTCAAAAAGACCAAGAAGAACCAC
 AAGCCATGAACGCCCGGCCTGGAAGCGCTGGTGTACGCAGATCCTGTCTGCACTCAGTTTTTTGCACG
 CCTGCAGTCCCCCATCATCCACGGAACCTGACCAGCGACACGATCTTCATTACGACAATGGCCTCAT
 CAAGATCGGCTCTGCACTTCCTGACGATCTCCGGAGCCCTATAAGAACTGAACGGGAGGAGCTCCGAAAC
 CTGCACTTTTTCCACCAGAGTATGGCGAGGTCAACGATGGGACTGCTGTGGACATCTTCTCCTTTGGGA
 TGTGTGCACTGGAGATGGCGGTCTTGGAGATCCAAGCCAACGGGGATACCCGAGTACAGAGAAGCAT
 TGCTCGGGCCAGGCACTCGTGAGTGACCCCAACATGCGGGAATTCATCCTCTCCTCGCTGGCCCGGAC
 CCTGCCCGCCGACCTCAGCCACAACCTCCTCTTCCACCGAGTGTCTTTGAGGTGCACTCGCTGAAGC
 TGCTGGCAGCCCACTGTTTCATCCAGCACCAGTACCTCATGCCTGAGAATGTGGTAGAGGAAAAGACCAA
 GGCCATGGACCTCCATGCAGTGTGGCTGAGATGCCCCAGCCCCATGGACCCCAATGCAGTGGCGGTAC
 TCAGAGGTTTCTTCTTGGAGCTGGACAAATCCTAGAGGATGTCAGGAATGGCATCTATCCACTCATGA
 ATTTCTGCTGCTCGGCCCTTGGGACTTCTCTGTGTGTTGGCCCCACCCAGAGGAGGCCCAAAAGGC
 CAAAACCTCAACCCAGAACCTTTGACTCGGAGACCAGGAAGTGGTCCAGATGCAGTGCACCTGGAA
 AGAAGCGAGGACAAGGCTCGGTGGCACCTTACTCTGCTTTTGGTCTTGGAGACCGGTTACATCGGCAGC
 TGACCTATGATCTGCTCCAACCGACAGTGCCAGGACCTCGCCGCCAACTAGTGCATATGGTCTCCT
 GCACGAGGATGACCGGACAAAGCTAGCAGCCTTTCTGGAGACCCTTTTCTCAAGTACCGTGGGACACAA
 GCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211491 representing NM_001135007
 Red=Cloning site Green=Tags(s)

MAAPEPAPRRGREREREDESESDILEESPCGRWQKRREQVNQGNMPGIQSTFLAMDTEEGVEVVWNE
 HFGDRKAFAAHEEKIQTMFEQLALVDHPNIVKLHKYWLDAPEARARVIFITEYVSSGLKQFLKTKKNH
 KAMNARAWKRWCTQILSALSFLHACSPPIIHGNLTSDTIFIQHNLIKIGSALPDDLRSPIRTEREELRN
 LHFFPPEYGEVNDGTAVIDIFSFGMCALEMAVLEIQANGDTRVTEEAIRARHSLSDPNMREFILSCLARD
 PARRPSAHNLLFHRVLFVHSLKLLAAHCFIQHQYLPENVVEEKTKAMDHLAVLAEMPQPHGPPMQWRY
 SEVSFLELDKFLVDVRNGIYPLMNFAAARPLGLPRVLPAPPPEEAQKAKTPTPEPFDSETRKVVQMOCNLE
 RSEDKARWHLTLLLVLDRHLRQLTYDLLPTDSAQDLAELVHYGFLHEDDRTKLAFLLETTFLKYRGTQ
 A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

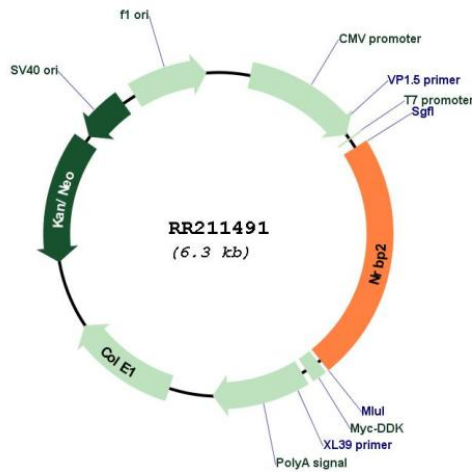
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135007

ORF Size: 1473 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_001135007.1](#), [NP_001128479.1](#)

RefSeq Size: 2628 bp

RefSeq ORF: 1476 bp

Locus ID: 680451

Cytogenetics: 7q34

MW: 56.3 kDa