

Product datasheet for **RR213958**

Nrbp1 (NM_001034997) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrbp1 (NM_001034997) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrbp1
Synonyms:	Nrbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213958 representing NM_001034997
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGAAGGGGAGTCCCAAACAGTAGTCAGCAGTGGCTCAGACCCAAAGGTAGAATCCTCATCTTCAG
 CTCTGGCCTGACTTCTGTATCACCTCCTGTGACCTCTACAATTCAGCTGCTTCTCCGGAGGAAGAAGA
 AGAAAGTGAAGATGAGTCTGAGATCTTGAGGAGTCAACATGTGGGCGCTGGCAGAAGAGGCGAGAAGAG
 GTGAATCAACGTAATGTGCCAGGAATTGACAGTGCATACCTGGCCATGGACACAGAGGAAGGTGTGGAGG
 TTGTATGGAATGAGGTACAGTTCTCTGAACGCAAGAACTACAACTGCAGGAGGAAAAGGTCCGTGCAGT
 GTTTGATAATCTGATTGAGTGGAACTCTTAACATTGTGAAGTTTCACAAGATTGGGCTGATGTTAAA
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 CCTAAGCTACCTGCACTCTGTGACCTCCCATCATCCATGGGAACCTGACCTGTACACCATCTTCATC
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 GGAAGAAGACAGAAGAACCTACACTTTTTTGACACAGAGTACGGAGAAGTCACAAACGTTACAACAGCAGT
 GGACATCTACTCTTTCGGCATGTGTGCACTGGAGATGGCAGTGTGGAGATTGAGGGCAATGGCGAGTCC
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 GTTTGAAGTGCCCTCACTCAAATCTTCTGCTGCTCACTGTATTGTGGACCAACATATGATCCAGAG
 AATGCTCTAGAGGAGATACCAAGAATGATACAGTGTGTACTAGTGAATCCCTGCAGGGCCAG
 GCCGGGAGCCAGTTCAGACTCTGACTCTCAGTCAACAGCCCTGGAATTAGACAAATCCCTGAAGATGT
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 GCTGGAGGACAACTGAATCGGCACCTGAGCTGTGACCTGATGCCAAATGAGAACATCCCGACTTGGCA
 GCTGAGCTGGTGCAGTGGGCTTCATTAGTGAGGCTGATCAGAGCCGCTGACTTCTCTGCTGGAGGAGA
 CGCTCAACAAGTCAACTTTGCCAGGAACAGCACACTCAACTCAGCCGCCGTACCGTCTCCTCA

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Protein Sequence:

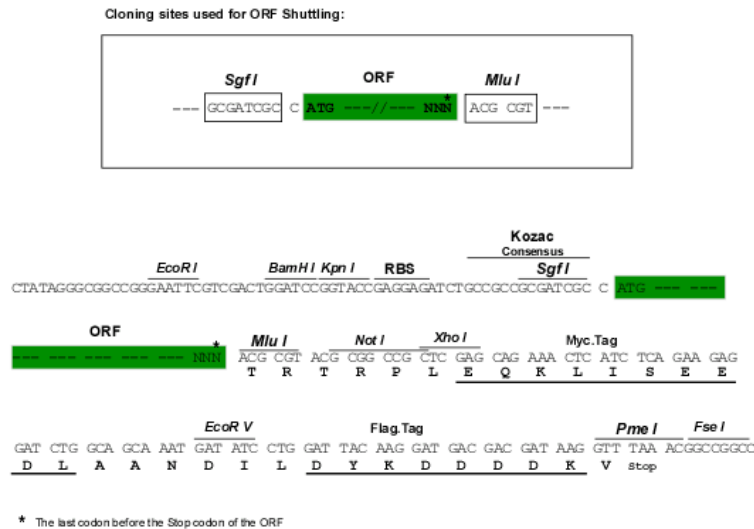
>RR213958 representing NM_001034997
 Red=Cloning site Green=Tags(s)

MSEGESQTVVSSGSDPKVESSSAPGLTSVSPVSTTSAASPEEEEESEDESEILEESPCGRWQKRREE
 VNQRNVPGIDSAYLAMDTTEEGVEVVWNEVQF SERKNYKLQEEKVRAVFDNLIQLEHLNIVKFHKYWADV
 ENKARVIFITEYMSSGSLKQFLKTKKNHKTMNEKAWKRWCTQILSALSYLHSCDPPIIHGNLTCDTIFI
 QHNGLIKIGSVAPDTINNHVKTCEEQKNLHFFAPEYGEVTNVTTAVDIYSFGMCALEMAVLEIQNGES
 SYVPQEAISSAIQLLEDLSLQREFIQKCLQSEPARRPTARELLFHPALFEVPSLKLAAHCIVGHQHMIPE
 NAL EEITKNMDTSAVLAEIPAGPGREPQVTLYSQSPAELDKFLEDVRNGIYPLTAFGLPRPQQPQQEEV
 TSPVPPSVKTPTEPAEVETRKVVLQCNIESVEEGVKHHLTLLKLEDKLNRLSCDLM PNENIPDLA
 AELVQLGFISEADQSRLTSLLEETLNKFNFARNSTLNSAAVTVSS

TRTRPLE**QKL**ISEEDLAAND**ILDYKDDDDKV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001034997

ORF Size: 1605 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_001034997.1](#), [NP_001030169.1](#)

RefSeq Size: 2152 bp

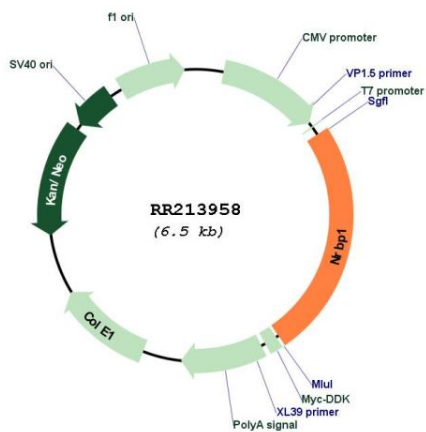
RefSeq ORF: 1608 bp

Locus ID: 619579

Cytogenetics: 6q14

MW: 59.8 kDa

Product images:



Circular map for RR213958