

Product datasheet for **RR209504**

Nprl3 (NM_001034936) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nprl3 (NM_001034936) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nprl3
Synonyms:	Mare; RGD1308665
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR209504 representing NM_001034936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGGACAACACTAGCCCATCAGCGTGATCCTGGTGAGCTCGGGCAGCAGGGCAATAAGCTGCTCT
 TCAGGTATCCCTCCAGAGGAGCCAGGAGCACCCCGCTCCAGACAAATAAACACGTAGCAGATACGC
 TGCAACAACACGGGAGAGCATGTTGATGACCAGGATGGTGACTCCAGTTCTCGGATGCTATTCTGGCA
 ACAATTTTGGCAACAACTCTGAAATGTGCGGCCAAAAGTTTGTAGCTGAAGATTGATAATGTACGGTTTG
 TGGGGCACCAACTGCTGCAGCATGCTCTGGGGCAGGTCTCCAAAACAGATCCATCTCCAAAGCGGGA
 AGCACCGACCATGATCCTTTTAAATGTGGTGTTCGACTGAGGGCAATGCTGACCCGTGAGTATAAAC
 TGTCTGCACACCTTGTCCCGCGCATTGCTACCGTCTGCAACATGAGGAGCGCCGTGCCAGTACCTCA
 CACGGGAGGCCAAGCTGATCTTAGCACTCAGGATGAGGTGTCTGCTATGGCCGATGCAATGAAGGTCC
 TCAGTCCCATTCCACCACATCTGCCAAGTGAAGCTGGCTAGGGACCTCAAAGAAGCTTATGACAGC
 CTGTGCACATCTGGTGTAGTACGGCTTCACATTAACAGCTGGCTAGAAGTGAGCTTCTGTCTTCCCACA
 AGATCCACTATGCAGCTCAAGTCTGATCCCTCCTGAGGCTATTGAACGGAGCCTGAAAGCCATCCGCC
 CTACCATGCTTTGCTACTGCTCAGTGACGAGAAGTCTCTATTGAGTGAGCTTCCCATTGACTGCTCCCCG
 GCTCTGGTGCGGGTGATCAAGACCACGTCTGCTGTGAAGAACCTACAGCAGTAGCCAGGATGCTGATC
 TGGCCTTGCTGCAGGTCTCCAGCTTGCAGCTCACCTGGTGTACTGGGGCAAGGCCGTATCATCTATCC
 ACTGTGTGAGAACAACGTCTATGCTCTGCTCCAATGCCAGTGTGTGTCTGTACTCTCCACTAGCTGAG
 CAGTTCTCCGCCAGTCCCGTCTCATGACCTGCCATCTGCTCTGGCCAAGTTTTCTTGCCCGTTTCTT
 TATCGGAGTTCAGGAGCCCCCTGGCCCCCTGCACAGGAGACCAGCTCATCCAGATGGTGGTGGAT
 GCTGCAGCGCCGGCTGCTCATCCAGCTGCATACCTATGTTTGCCTAATGGCATCACCCAGTGAGGAGGAG
 CCCCAGCTCGAGAGGATGACGTCCCCTTACAGCCCGAGTTGGTGGCCGAGCCTCAGCACACCCAATG
 CTCTAAGCTTTGGCTCCCAAGTAGGATCCCCTCCAGGACATCTGTCTGGTAATGGGGCTGGGAGACT
 CTGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209504 representing NM_001034936
 Red=Cloning site Green=Tags(s)

MGDNTSPISVILVSSGSRGNKLLFRYPFQRSQEH PASQTNKPRSR YAVNNTGEHVDDQDGS RFSDAILA
 TILATKSEMCGQKFELKIDNRFVGHPTLLQHALGQVSKTDPSPKREAPTMILFNVV FALRANADPSVIN
 CLHTLSRR IATVLQHEERRCQYL TREAKLILALQDEVSAMADANEGPQSPFHILPKK LARDLKEAYDS
 LCTSGVRLHINSWLEVSFCLPHKIH YAASSLIPPEAIERSLKAIRPYHALLLL SDEKSLSELPIDCSP
 ALVRVIKTTSAVKNLQQLAQDADLALLQVFQLA AHLVYWGKAVIIYPLCENNVYV LSPNASVCLYSPLAE
 QFSRQFPSHDLPSVLAKFSLPVSLSEFRSPLAPPAQETQLIQMVVWMLQRRLLIQLHTYVCLMASPSEEE
 PRPREDDVPFTARVGG RSLSTPNALSFGSPSRIPFQD ICLVMGAGRLWW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

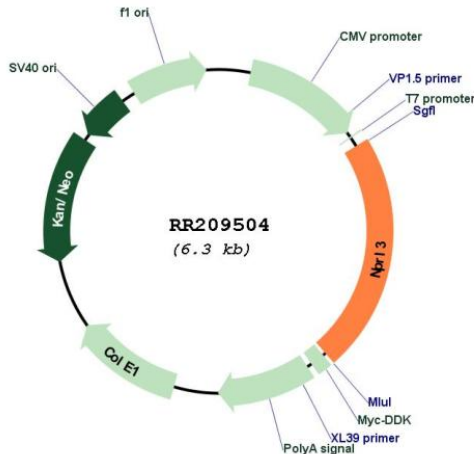
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001034936

ORF Size:

1407 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_001034936.1](#), [NP_001030108.1](#)

RefSeq Size: 2650 bp

RefSeq ORF: 1410 bp

Locus ID: 360505

Cytogenetics: 10q12

MW: 52.3 kDa