

Product datasheet for **RC234270**

NPRL3 (NM_001243247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPRL3 (NM_001243247) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NPRL3
Synonyms:	C16orf35; CGTHBA; FFEVF3; HS-40; MARE; NPR3; RMD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234270 representing NM_001243247
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGTGGCCAAAAATTTGAACTGAAGATTGATAATGTGCGATTGTTGGGCACCCAACACTGCTACAGC
 ATGCTCTGGGGCAGATCTCCAAAACAGATCCTTCCCCGAAGAGGGAAGCACCTACTATGATTCTTTTTAA
 TGTGGTGTGGTACTGAGGGCCAAACGCAGACCCGTCAGTGATAAACTGTCTGCATAACCTGTCCCCTCGT
 ATCGCCACCGTGTGACGACGAGGAGCGCCGCTGCCAGTACCTCACCGGGAGGCCAAGCTGATCCTGG
 CGCTCCAGGATGAGGTGTCCGCATGGCTGATGGAAATGAAGGTCCTCAGTCCCCATTCCATCACATCCT
 GCCAAGTGAAGCTGGCCAGGGACCTCAAGGAAGCTTATGACAGCCTGTGCACGTCGGGCGTAGTTCGG
 CTTACATCAACAGCTGGCTGGAGGTGAGCTTCTGCCTGCCCCACAAGATCCACTATGCGGCTCCAGTC
 TGATCCCCCAGAGGCCATCGAACGGAGCCTGAAAGCCATCCGCCCTACCATGCCCTGCTGCTGCTCAG
 TGATGAGAAGTCTTGTGGGTGAGCTTCTATTGACTGCTCCCCTGCCCTAGTGCGGGTGATCAAGACC
 ACATCTGCTGTGAAGAACCTGCAGCAGCTAGCCCAAGATGCGGACCTGGCCTTGCTGCAGGTTTTCCAGC
 TTGCAGCTCATCTGGTGTACTGGGGCAAGGCCATCATCATCTACCCGCTGTGTGAGAACAACGTCTACAT
 GCTGTCTCCCAATGCCAGCGTATGTCTGTACTCCCCGCTGGCCGAGCAGTTCTCCACCAGTTCCCATCT
 CATGACCTGCCGTCGGTCTTGGCAAGTTCTCCTTGCCGGTCTCCTTGTGAGAATTTAGGAATCCCTGG
 CCCCCGCTGTGCAGGAGACCCAGCTCATCCAGATGGTGGTGTGGATGCTGCAGCGCCGGCTTCTCATCCA
 GCTGCACACCTATGTCTGCCTGATGGCTCACCCAGCAGGAGGAGCCCGTCCGCGAGAGGACGACGTC
 CCCTTCACTGCCGGGTGGCGGTGCGAGCCTCAGCAGCCCAACGCCCTCAGCTTGGCTCCCCAACCA
 GCAGCGATGACATGACCCTCACCAGCCCCAGATGGACAACTCCAGCGCAGAGCTACTTCCAGCGGGGA
 CTGCCACTGAACCAGAGGATGACGGAGAACCTGCTGGCCAGCCTGTCCGAGCATGAACGCGCAGCCATC
 CTAGTGTACCCGAGCCAGAACCCTGAGGACCTCCGCATGTTTGCCAGGCTCCTTCACTACTTCCGCG
 GCCGCCACCACCTGGAGGAGATTATGTACAACGAGAACACGCGGCGCTCCAGCTGCTCATGCTGTTTGA
 CAAGTTCCGAGCGTGTGGTGGTGACCACCCACGAGGACCCTGTATTGCCGCTTCCAGGCTCTGCTC
 CCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234270 representing NM_001243247
 Red=Cloning site Green=Tags(s)

MCGQKFLKIDNVRVFGHPTLLQHALGQISKTDPSPKREAPTMILFNVVVALRANADPSVINCLHNL SRR
 IATVLQHEERRCQYL TREAKLILALQDEV SAMADGNEGQSPFHHILPKCKLARDLKEAYDSLCTSGVVR
 LHINSWLEVSFCLPHKIHYAASSLIPPEAIERSLKAIRPYHALLLL SDEKSLLGELPIDCSPALVRVIKT
 TSAVKNLQQLAQDADLALLQVFQLAAHLVYWGKAI IYPLCENNVYMLSPNASVCLYSPLAEQFSHQFPS
 HDLPSVLAKFSLPVSLSEFRNPLAPAVQETQLIQMVVWMLQRRLLIQLHTYVCLMASPSEEEPRPREDDV
 PFTARVGGRLSTPNALSFGSPTSSDMLTSPSMDNSSAELLPSGDSPLNQRMTENLLASLSEHERAAI
 LSVPAQNPEDLRMFARLLHYFRGRHHLLEEIMYNENTRRS QLLMLFDKFRSVLVVTTHEDPVIAVFQALL
 P

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001243247

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_001243247.1](#), [NP_001230176.1](#)

RefSeq Size: 2875 bp

RefSeq ORF: 1476 bp

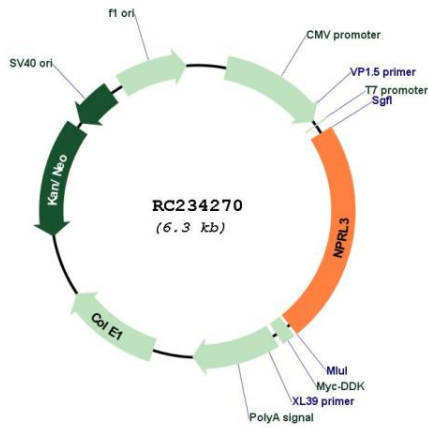
Locus ID: 8131

Cytogenetics: 16p13.3

MW: 55.5 kDa

Gene Summary: The function of the encoded protein is not known. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC234270