

Product datasheet for **RG216614**

NPRL3 (NM_001077350) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPRL3 (NM_001077350) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPRL3
Synonyms:	C16orf35; CGTHBA; FFEVF3; HS-40; MARE; NPR3; RMD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216614 representing NM_001077350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGACAACACCAGCCCATCAGCGTGATTCTGGTGAGCTCGGGAGCAGGGCAATAAGCTGCTGT
 TCAGGTACCCCTTCCAGAGAAGCCAGGAGCACCCGGCGTCCCAGACAAGTAAGCCCGTAGCAGATACGC
 TGCCAGCAACACGGGCGACCATGCTGATGAGCAGGACGGCGATTCCAGGTTTTTCAGATGTTATTCTGGCA
 ACAATTTTGGCAACCAAGTCTGAAATGTGTGGCAAAAAATTTGAACTGAAGATTGATAATGTGCGATTTG
 TTGGGCACCCAACACTGCTACAGCATGCTCTGGGGCAGATCTCCAAAACAGATCCTTCCCGAAGAGGGA
 AGCACCTACTATGATTCTTTTTAATGTGGTGTTCGACTGAGGGCCAACGCAGACCCGTCAGTGATAAAC
 TGTCTGCATAACCTGTCCCGTGTATCGCCACCGTGTGCAGCACGAGGAGCGCCGCTGCCAGTACCTCA
 CCCGGGAGGCCAAGCTGATCCTGGCGCTCCAGGATGAGGTGTCCGCCATGGCTGATGAAATGAAGTCC
 TCAGTCCCATTCCATCACATCTGCCAAGTGAAGCTGGCCAGGGACCTCAAGGAAGCTTATGACAGC
 CTGTGCACGTCCGGCGTAGTTCCGCTTACATCAACAGCTGGCTGGAGGTGAGCTTCTGCCTGCCCCACA
 AGATCCACTATGCGGCCTCCAGTCTGATCCCCCAGAGGCCATCGAACGGAGCCTGAAAGCCATCCGCC
 CTACCATGCCCTGCTGCTGCTCAGTGATGAGAAGTCTTGTGGGTGAGCTTCTATTGACTGCTCCCT
 GCCCTAGTGCGGGTGATCAAGACCACATCTGCTGTGAAGAACCTGCAGCAGCTAGCCCAAGATGCGGACC
 TGGCCTTGCTGCAGGTTTTCCAGCTTGCAGTCACTGCTGGTGTACTGGGGCAAGGCCATCATCATCTACCC
 GCTGTGTGAGAACAACGCTCTACATGCTGTCTCCAATGCCAGCGTATGTCTGTACTCCCCGCTGGCCGAG
 CAGTTCTCCCACAGTCCCATCTACGCTGCTGCCGCTCCGTTCTTGCCAAGTTCCTTGCCGGTCTCT
 TGTGAGAATTTAGGAATCCCCTGGCCCCGCTGTGCAGGAGACCCAGCTCATCCAGATGGTGGTGGAT
 GCTGCAGCGCCGGCTTCTCATCCAGCTGCACACCTATGTCTGCCTGATGGCCTCACCCAGCGAGGAGGAG
 CCCCGTCCGCGAGAGGACGACGCTCCCTTCACTGCCCGGGTGGCGGTGCGAGCCTCAGCACGCCAACG
 CCCTCAGCTTTGGCTCCCCAACAGCAGCGATGACATGACCCTACCAGCCCAGCATGGACAACCTCCAG
 CGCAGAGCTACTTCCCAGCGGGACTCGCCACTGAACCAGAGGATGACGGAGAACCTGCTGGCCAGCCTG
 TCGGAGCATGAACGCGCAGCCATCCTCAGTGTACCCGAGCCAGAACCTGAGGACCTCCGCATGTTTG
 CCAGGCTCCTTCACTACTCCGCGGCCGCCACCACCTGGAGGAGATTATGTACAACGAGAACACGCGGCG
 CTCCCAGCTGCTCATGCTGTTTGACAAGTCCGACGCGTGTGGTGGTGACCACCACGAGGACCCTGTC
 ATTGCCGCTTCCAGGCTCTGCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216614 representing NM_001077350
 Red=Cloning site Green=Tags(s)

MRDNTSPISVILVSSGRGNKLLFRYPFQRSQEHASQTSKPRSRYAASNTGDHADEQDGSRFSVDVILA
 TILATKSEMCGQKFELKIDNVRVFGHPTLLQHALGQISKTDPSPKREAPTMILFNVVVALRANADPSVIN
 CLHNLRRRIATVLQHEERRCQYL TREAKLILALQDEVSAMADGNEGQSPFHILPKCKLARDLKEAYDS
 LCTSGVRLHINSWLEVSFLPHKIHYAASSLIPPEAIERSLKAIRPYHALLLL SDEKSLLGELPIDCSP
 ALVRVIKTTSAVKNLQQLAQDADLALLQVFQLAHLVYWGKAI IYPLCENNVYMLSPNASVCLYSPLAE
 QFSHQFPSHDLPSVLAKFSLPVSLSEFRNPLAPAVQETQLIQMVVWMLQRRLLIQLHTYVCLMASPSEE
 PRPREDDVPFTARVGGSLSTPNALSFGSPTSSDDMTL TSPSMDNSSAELLPSGDSPLNQRMENLLASL
 SEHERAAILSVPAQNPEDLRMFARLLHYFRGRHHEEIMYNENTRRSQLLMLFDKFRSVLVVTTTHEDPV
 IAVFQALLP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001077350

ORF Size: 1707 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_001077350.3](#)

RefSeq Size: 2713 bp

RefSeq ORF: 1710 bp

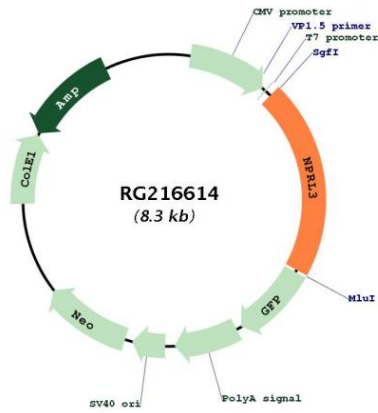
Locus ID: 8131

UniProt ID: [Q12980](#)

Cytogenetics: 16p13.3

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

Product images:



Circular map for RG216614