

Product datasheet for **RG234270**

NPRL3 (NM_001243247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPRL3 (NM_001243247) 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:

>RG234270 representing NM_001243247
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGGCCAAAAATTTGAAGTGAAGATTGATAATGTGCGATTGTGGGCACCAACACTGCTACAGC
 ATGCTCTGGGGCAGATCTCCAAACAGATCCTTCCCCGAAGAGGGAAGCACCTACTATGATTCTTTTAA
 TGTGGTGTGCACTGAGGGCCAAACGAGACCCGTCAGTGATAAACTGTCTGCATAACCTGTCCCGTCGT
 ATCGCCACCGTGTGAGCAGGAGGAGCGCGCTGCCAGTACCTACCCGGGAGGCCAAGCTGATCCTGG
 CGCTCCAGGATGAGGTGTCCGCATGGCTGATGGAATGAAGTCTCAGTCCCCATTCCATCACATCCT
 GCCCAAGTGAAGCTGGCAGGGACCTCAAGGAAGCTTATGACAGCCTGTGCACGTGGGCGTAGTTCGG
 CTTACATCAACAGCTGGCTGGAGGTGAGCTTCTGCTGCCCCACAAGATCCACTATCGGCCTCCAGTC
 TGATCCCCCAGAGGCCATCGAACGAGCCTGAAAGCCATCCGCCCTACCATGCCCTGCTGCTGCTCAG
 TGATGAGAAGTCTTGCTGGGTGAGCTTCTATTGACTGCTCCCTGCCCTAGTGGGGTGATCAAGACC
 ACATCTGCTGTGAAGAACTGCAGCAGCTAGCCCAAGATGCGGACCTGGCCTTGCTGCAGGTTTTCCAGC
 TTGCAGCTCATCTGGTGTACTGGGCAAGGCCATCATCTATCCCGCTGTGTGAGAACAACGTCTACAT
 GCTGTCTCCCAATGCCAGCGTATGTCTGTACTCCCGCTGGCCGAGCAGTTCTCCACCAGTTCCCATCT
 CATGACCTGCCGTCCGTTCTTGCCAAGTTCTCCTTGCCGGTCTCCTTGTCAGAAATTTAGGAATCCCTGG
 CCCCCGCTGTGCAGGAGACCCAGCTCATCCAGATGGTGGTGTGGATGCTGCAGCGCCGGCTTCTCATCCA
 GCTGCACACCTATGTCTGCTGATGGCTCACCAGCGAGGAGGAGCCCGTCCGCGAGAGGACGACGTC
 CCCTTCACTGCCCGGTGGCGGTGCGAGCCTCAGCAGGCCAACGCCCTCAGCTTTGGTCCCCAACCA
 GCAGCGATGACATGACCTCACCAGCCCCAGCATGGACAACTCCAGCGCAGAGCTACTTCCAGCGGGGA
 CTCGCCACTGAACCAGAGGATGACGGAGAACCTGCTGGCCAGCCTGTGCGAGCATGAACGCGCAGCCATC
 CTCAGTGTACCCGAGCCAGAACCTGAGGACCTCCGCATGTTTGCCAGGCTCCTTCACTACTTCCGCG
 GCCGCCACCACCTGGAGGAGATTATGTACAACGAGAACACGCGGCGCTCCAGCTGCTCATGCTGTTTGA
 CAAGTTCCGAGCGTGTGGTGGTGACCAACCACGAGGACCTGTATTGCCGTCTCCAGGCTCTGCTC
 CCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

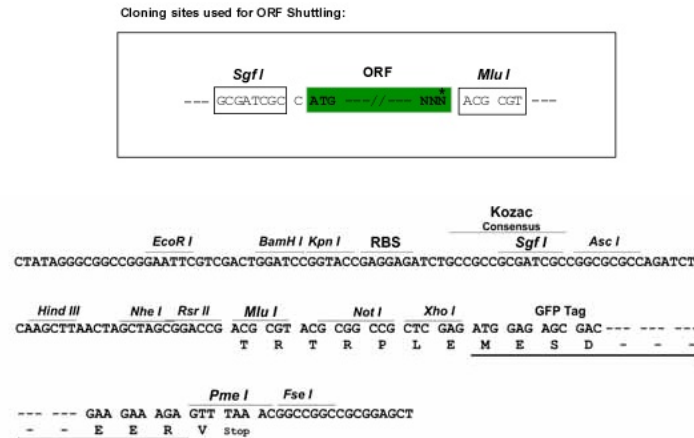
>RG234270 representing NM_001243247
 Red=Cloning site Green=Tags(s)

MCGQKFELKIDNVRVFGHPTLLQHALGQISKTDPSPKREAPTMILFNVVFALRANADPSVINCLHNLSSR
 IATVLQHEERRCQYL TREAKLILALQDEVSAMADGNEGQSPFHILPKCKLARDLKEAYDSLCTSGVVR
 LHINSWLEVSFCLPHKIHYAASSLIPPEAIERSLKAIRPYHALLLL SDEKSLLGELPIDCSPALVRVIKT
 TSAVKNLQQLAQDADLALLQVFQLAAHLVYWGKAI IYPLCENNVMYMLSPNASVCLYSPLAEQFSHQFPS
 HDLPSVLAKFSLPVSLSEFRNPLAPAVQETQLIQMVVWMLQRRLLIQLHTYVCLMASPSEEEPRPREDDV
 PFTARVGGRLSTPNALSFGSPTSSDDMTLTSPSMDNSSAELLPSGDSPLNQRMENLLASLSEHERAAI
 LSVPAQNPEDLRMFARLLHYFRGRHLEEIMYNENTRRSQLLMLFDKFRSVLVVTTTHEDPVIQVAFQALL
 P

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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

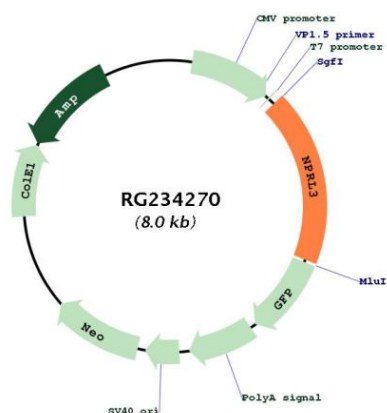
RefSeq ORF: 1476 bp

Locus ID: 8131

Cytogenetics: 16p13.3

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

Product images:



Circular map for RG234270