

Product datasheet for **RG234397**

NPRL3 (NM_001243248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPRL3 (NM_001243248) 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:

>RG234397 representing NM_001243248
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATCGGGACAACACCAGCCCATCAGCGTGATTCTGGTGAGCTCGGGAGCAGGGCAATAAGCTGCTGT
 TCAGGTACCCCTTCCAGAGAAGCCAGGAGCACCGGCGTCCAGACAAGTAAGCCGCGTAGCAGATACGC
 TGCCAGCAACACGGGCGACCATGCTGATGAGCAGGACGGCGATTCCAGGTTTTTCAGATGTTATTCTGGCA
 ACAATTTTGGCAACCAAGTCTGAAATGTGTGGCAAAAAATTTGAACTGAAGATTGATAATGTGCGATTTG
 TTGGGCACCCAACACTGCTACAGCATGCTCTGGGGCAGGCCAACGCAGACCCGTCAGTGATAAACTGTCT
 GCATAACCTGTCCCGTGTATCGCCACCGTGTGCAGCACGAGGAGCGCCGCTGCCAGTACCTCACCCGG
 GAGGCCAAGCTGATCCTGGCGCTCCAGGATGAGGTGTCCGCCATGGCTGATGAAATGAAGTCTCAGT
 CCCCATTCCATCACATCCTGCCAAGTGAAGCTGGCCAGGGACCTCAAGGAAGCTTATGACAGCCTGTG
 CACGTGCGGGCTAGTTCCGGTTCACATCAACAGCTGGCTGGAGGTGAGCTTCTGCCTGCCCCACAAGATC
 CACTATGCGGCCTCCAGTCTGATCCCCCAGAGGCCATCGAACGGAGCCTGAAAGCCATCCGCCCTACC
 ATGCCCTGCTGCTCAGTGATGAGAAGTCTTGTGGTGAGCTTCTATTGACTGCTCCCCTGCCCT
 AGTGCGGGTGATCAAGACCACATCTGCTGTGAAGAACCTGCAGCAGCTAGCCCAAGATGCGGACCTGGCC
 TTGCTGCAAGTTTTCCAGCTTGCAGTCACTGCTGTACTGGGGCAAGGCCATCATCATCTACCCGCTGT
 GTGAGAACAACGCTACATGCTGTCTCCAATGCCAGCGTATGTCTGTACTCCCCGCTGGCCGAGCAGTT
 CTCCCACAGTCCCATCTACGACTGCCGTCGGTCTTCCCAAGTTCTCCTTCCGGTCTCCTTGCA
 GAATTTAGGAATCCCCTGGCCCCGCTGTGCAGGAGACCAGCTCATCCAGATGGTGGTGTGGATGCTGC
 AGCGCCGGCTTTCATCCAGCTGCACACCTATGTCTGCCTGATGGCTCACCCAGCGAGGAGGCCCCCG
 TCCGCGAGAGGACGACGCTCCCCTTCACTGCCCGGTGCGCGGTGCGAGCCTCAGCACGCCCAACGCCCTC
 AGCTTTGGCTCCCCAACAGCAGCGATGACATGACCCTACCAGCCCCAGCATGGACAATCCAGCGCAG
 AGCTACTTCCCAGCGGGACTCGCCACTGAACCAGAGGATGACGGAGAACCTGCTGGCCAGCCTGTGCGA
 GCATGAACGCGCAGCCATCCTCAGTGTACCCGAGCCAGAACCTGAGGACCTCCGCATGTTTGCCAGG
 CTCCTTCACTACTTCCGCGGCCGCCACCACCTGGAGGAGATTATGTACAACGAGAACACGCGGCGCTCCC
 AGCTGCTCATGCTGTTTGACAAGTTCGCGAGCGTGTGGTGGTGACCACCCAGGAGCCCTGTCATTGC
 CGTCTTCCAGGCTCTGCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234397 representing NM_001243248
 Red=Cloning site Green=Tags(s)

MRDNTSPISVILVSSGSRGNKLLFRYPFQRSQEHASQTSKPRSRYAASNTGDHADEQDGSRFSVDVILA
 TILATKSEMCGQKFKLIDNRFVGHPTLLQHALGQANADPSVINCLHNLRRRIATVQLQHEERRCQYLTR
 EAKLILALQDEVSAMADGNEGQSPFHHLIPKCKLARDLKEAYDSLCTSGVVRLHINSWLEVSFCLPHKI
 HYAASSLIPPEAIERSLKAIRPYHALLLLSDKSLGELPIDCSPALVRVIKTTSAVKNLQQLAQDADLA
 LLQVFQLAAHLVYWGKAI IYPLCENNVYMLSPNASVCLYSPLAEQFSHQFSPSHDLPVSLAKFSLPVSL
 EFRNPLAPAVQETQLIQMVVWMLQRLLIQLHTYVCLMASPSEEEPRPREDDVPFTARVGGRSLSSTPNAL
 SFGSPTSSDDMTLTSMDNSSAELLPSGDSPLNQRMTENLLASLSEHERAAILSVPAAQNPEDLRMFAR
 LLHYFRGRHLEEMYNENTRRSLLMLFDKFRSVLVVTTHEDPVIAVFQALLP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001243248

ORF Size: 1632 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_001243248.1](#), [NP_001230177.1](#)

RefSeq Size: 2938 bp

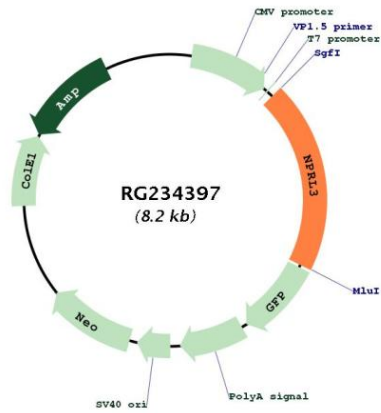
RefSeq ORF: 1635 bp

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 RG234397