

## Product datasheet for **RG200905**

### NPRL3 (NM\_001039476) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPRL3 (NM_001039476) 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)
ORF Nucleotide Sequence:	>RG200905 representing NM_001039476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGATGAAATGAAGGTCCTCAGTCCCCATTCCATCACATCCTGCCAAGTGCAAGCTGGCCAGGG  
ACCTCAAGGAAGCTTATGACAGCCTGTGCACGTCGGGCGTAGTTCGGCTTCACATCAACAGCTGGCTGGA  
GGTGAGCTTCTGCCTGCCCCACAAGATCCACTATGCGGCCTCCAGTCTGATCCCCCAGAGGCCATCGAA  
CGGAGCCTGAAAGCCATCCGCCCTACCATGCCCTGCTGCTCAGTGATGAGAAGTCTTGCTGGGTG  
AGCTTCTATTGACTGCTCCCTGCCCTAGTGC GGGTGATCAAGACCACATCTGCTGTGAAGAACCTGCA  
GCAGTAGCCCAAGATGCGGACCTGGCCTTGCTGCAGTTTTCCAGTTGTCAGCTCATCTGGTGTACTGG  
GGCAAGGCCATCATCTACCCGCTGTGTGAGAACAACGTCTACATGCTGTCTCCAATGCCAGCGTAT  
GTCTGTACTCCCCGCTGGCCGAGCAGTTCTCCACCAGTCCCATCTCATGACCTGCCGTCGGTCTTTGC  
CAAGTTCTCCTTGCCGGTCTCCTTGTCAGAATTTAGGAATCCCCTGGCCCCGCTGTGCAGGAGACCCAG  
CTCATCCAGATGGTGGTGTGGATGCTGCAGCGCCGGCTTCTCATCCAGCTGCACACCTATGTCTGCCTGA  
TGGCTCACCCAGCGAGGAGGAGCCCGTCCGCGAGAGGACGACGTCCTTCACTGCCCGGTGCGCGG  
TCGCAGCCTCAGCACGCCCAACGCCCTCAGCTTTGGCTCCCCAACAGCAGCGATGACATGACCCACACC  
AGCCCCAGCATGGACAACCTCCAGCGCAGAGCTACTTCCAGCGGGGACTCGCCACTGAACCCAGAGGATGA  
CGGAGAACCTGCTGGCCAGCCTGTCGGAGCATGAACGCGCAGCCATCCTCAGTGTACCCGAGCCAGAA  
CCCTGAGGACCTCCGCATGTTTGCCAGGCTCCTTCACTACTTCCGCGGCCGCCACCACCTGGAGGAGATT  
ATGTACAACGAGAACACGCGGCGCTCCAGCTGCTCATGCTGTTTGACAAGTTCCGACGCGTGTGGTGG  
TGACCACCACGAGGACCCTGTCATTGCCGCTTCCAGGCTCTGCTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200905 representing NM\_001039476  
 Red=Cloning site Green=Tags(s)

MADGNEGPQSPFHHLPKCKLARDLKEAYDSLCTSGVVRHLHINSWLEVSFCLPHKIHYAASSLIPPEAIE  
 RSLKAIIRPYHALLLLSDEKSLLGELPIDCSPALVRVIKTTSAVKNLQQLAQDADLALLQVFQLAHLVYW  
 GKAIIIYPLCENNVYMLSPNASVCLYSPLAEQFSHQFP SHDLPSVLAKFSLPVSLSEFRNPLAPAVQETQ  
 LIQMVVWMLQRLLIQLHTYVCLMASPSEEEPRPREDDVPFTARVGGRLSTPNALSFGSPSSDDMTLT  
 SPSMDNSSAELLPSGDSPLNQRMTENLLASLSEHERAAILSVPAAQNPEDLRMFARLLHYFRGRHHEEI  
 MYNENTRRSQLMLFDKFRSVLVVTTTHEDPVIIVFQALLP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001039476

**ORF Size:** 1170 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\\_001039476.2](#)

**RefSeq Size:** 2753 bp

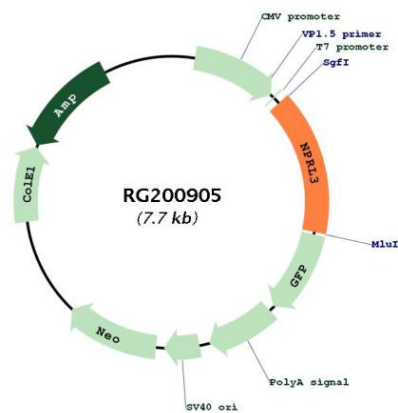
**RefSeq ORF:** 1173 bp

**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 RG200905