

## Product datasheet for **RG201861**

### **RNF141 (NM\_016422) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF141 (NM_016422) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF141
Synonyms:	RFP141; ZFP26; ZNF230
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201861 representing NM_016422 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGACAGCAAATTTCCGATCAGACACAGTTGGTTATTAACAAGTTACCAGAAAAAGTAGCAAACATG  
 TTACGTTGGTTCGAGAGAGTGGCTCCTTAACCTTATGAAGAATTTCTCGGGAGAGTAGCTGAGCTTAATGA  
 TGTAACGGCTAAAGTGGCTTCTGGCCAGGAAAAACATCTTCTTTGAGGTACAACCTGGGTCTGATTCC  
 TCTGCTTTTGGAAAGTGGTGTACGGGTGGTCTGTACCAAGATTAACAAAAGCAGTGGCATTGTGGAGG  
 CATCACGGATCATGAATTTATACAGTTTATTCAACTTTATAAAGATATCACAAGTCAAGCAGCAGGAGT  
 ATTGGCACAGAGCTCCACCTCTGAAGAACCTGATGAAAACCTCATCCTCTGTAACATCTTGTGAGGCTAGT  
 CTTTGGATGGGAAGGTGAAGCAGCTGACCGATGAGGAGGAGTGTGTATCTGTATGGATGGGCGGGCTG  
 ACCTCATCCTGCCTTGTGCTCACAGCTTTTGTGAGAAGTGTATTGATAAATGGAGTGATCGACACAGGAA  
 TTGCCCTATTTGTCGCCTACAGATGACTGGAGCAAATGAATCTTGGGTGGTATCAGATGCACCCACTGAA  
 GATGATATGGCTAACTATATTCTTAACATGGCTGATGAGGCAGGCCAGCCCCACAGGCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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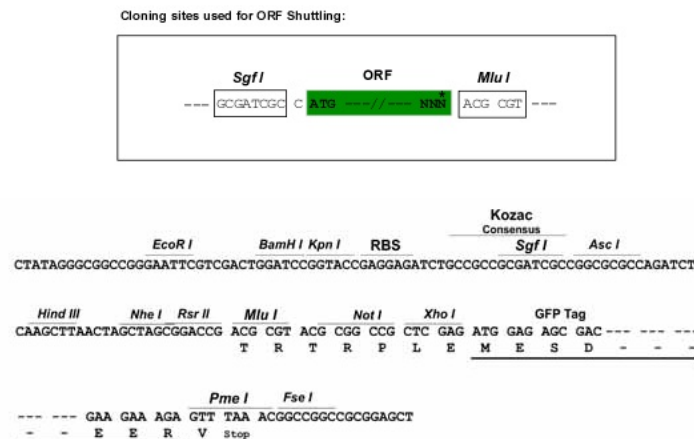
**Protein Sequence:** >RG201861 representing NM\_016422  
 Red=Cloning site Green=Tags(s)

MGQQISDQTQLVINKLPEKVAKHVTLVRESGSLTYEEFLGRVAELNDVTAKVASGQEKHLLFEVQPGSDS  
 SAFWKVVVRVCTKINKSSGIVEASRIMNLYQFIQLYKDITSQAAGVLAQSSTSEEPDENSSSVTSCQAS  
 LWMGRVKQLTDEEECCICMDGRADLILPCAHSFCQKCIDKWSDRHRNCPICRLQMTGANESWVSDAPTE  
 DDMANYILNMADEAGQPHRP

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016422

**ORF Size:** 690 bp

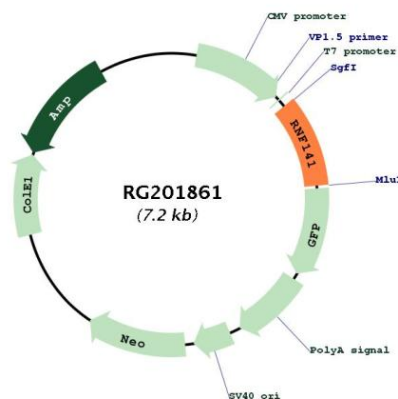
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_016422.2</a></u>
<b>RefSeq Size:</b>	4084 bp
<b>RefSeq ORF:</b>	693 bp
<b>Locus ID:</b>	50862
<b>UniProt ID:</b>	<u><a href="#">Q8WVD5</a></u>
<b>Cytogenetics:</b>	11p15
<b>Domains:</b>	RING
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-DNA and protein-protein interactions. Abundant expression of this gene was found in the testicular tissue of fertile men, but was not detected in azoospermic patients. Studies of the mouse counterpart suggest that this gene may function as a testis specific transcription factor during spermatogenesis. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG201861