

## Product datasheet for **RG213900**

### NLRC3 (NM\_178844) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NLRC3 (NM\_178844) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NLRC3  
**Synonyms:** CLR16.2; NOD3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG213900 representing NM\_178844  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGATGGACGCCCCAGGCCCCAGTCTTGCTGTCCCTGGAGCAGCATCGAGGCCGGGAGGCTGC  
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 ATAGGACACCGGATGCCCGCTGGGGCCCTGCAGCAATGACTCAAGGATACAGAGGCACCGCAAGGCCCT  
 GCTGAGCAAGGTGGGAGGTGGCCCGGAGCTGGGCGGACCCTGGCACAGGCTGGCCCTCCTCTGCTGGT  
 GAGGGCTGACGGACCTGCAGCTGAGGGAACACGACTTACACAGGTGGAGGCCACCCGCGGGGGCGGGC  
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 GTGGCCTGCACGGACCCAAAGAAGGAGATCCCGTGGACCACCTGATACCAACATCATCGTGGCAACC  
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ACGTTGGCATCGTCAGTGGCCTACTGCTTCACCCACCTGTCCCTGCAGGAGTTTGTGGCAGCCGCGTATT
ACTATGGCGCATCCAGGAGGGCCATCTTCGACCTTCTACTGAGAGCGGCGTATCCTGGCCCAGGCTGGG
CTTCTCACGCATTTTCAGGAGCGCAGCCACGGGGCCATGCAGGCAGAGGACGGGAGGCTGGACGTGTC
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CCATCAGTGACGCAGGAGTGGCAGCACTGATGGGGGCCCTCTGCACCAACCAGACCTCCTCAGCCTCAG
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GGAGCGTGTGCGGTGGCCCGTGCCTGAAGTCAACACAGCCCTCACTGCTCTATCTCCAGGTGGCCT
CAATTGGTGTTCAGGCGCCAGGTGCTAGGGGAAGCCTTGGCTGTGAACAGAACCTGGAGATTCTCGA
CTTAAGAGGAAAATGCCATTGGGGTGGCTGGAGCCAAAGCCCTGGCAAATGCTCTGAAGGTAAACTCAAGT
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CTCAGAGGCCATCAAGACAAATGCTCCCACGTGCACTGTTGAAATG

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG213900 representing NM\_178844  
 Red=Cloning site Green=Tags(s)

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MEMDAPRPPSLAVPGAASRPGRLLDGGHGRQQVQALSSQLLEVIPDSMRKQEVRTGREAGQGHGTGSPA
EQVQKALMDLLAGKGSQGSHPQALDRTPDAPLGPCSNDRIQRHRKALLSKVGGPELGGPWHRLASLLV
EGLTDLQREHDFQVEATRGGGHPARTVALDRLFLPLSRVSVPPRVSITIGVAGMGKTTLVRHFVRLWA
HGQVVGKDFSLVPLTFRDLNTHEKLCADRLICSVFPHVGEPSLAVAVPARALLILDGLDECRTPDFSN
VACTDPKKEIPVDHLITNIIRGNLFPEVSIWITSRPSASGQIPGGLVDRMTEIRGFNEEEIKVCLEQMF
EDQALLGWMLSQVQADRALYLMCTVPAFCRLTGMALGHLWRSRTGPQDAELWPPRTLCELYSWYFRMALS
GEGQEKGKASPRIEQVAHGGRKMGVTLGRLAFHGLLKKKYVYFYEQDMKAFGVDLALLQGAPCSCFLQRE
TLASSVAYCFTHLSLQEFVAAAAYYGASRRRIFDLFTESGVSWPRLGFLTHFRSAAQRAMQAEGRDLV
LRFSLGSLSPRVNALLAGSLLAQGEHQAYRTQVAELLQGCLRPDAAVCARAINVLHCLHELQHTELARS
VEEAMESGALARLTGPAHRAALAYLLQVSDACAQEANLSLSLQGVLSLPLQLLYCRKRLDTNQFQDPV
MELLSVLSGKDCRIQKISLAENQISNKGAKALARSLVNRSLSLTLDRGNSIGPQGAKALADALKINRT
LTSLSLQNTVRDDGARSMAEALASNRTL SMLHLQKNSIGPMGAQRMADALKQNRSLKELMFSSNSIGD
GAKALAEALKVNQGLSLDLQSNISDAGVAALMGALCTNQTLLSLSLRENSISPEGAQAIHAHALCANST
LKNLDTANLLHDQGARAI AVAVRENRTL SLHLQWNFIQAGAAQALGQALQLNRSLSLDLQENAIIGDD
GACAVARALKVNTAL TALLYLQVASIGASGAQVLGEALAVNRTLEILDRLGNAIGVAGAKALANALKVNS
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TRTRPLE - GFP Tag - V

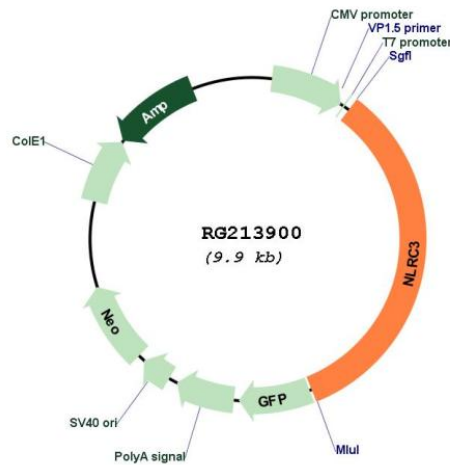
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_178844

ORF Size: 3336 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.

<b>Components:</b>	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>RefSeq:</b>	<u>NM_178844.1, NP_849172.1</u>
<b>RefSeq Size:</b>	3414 bp
<b>RefSeq ORF:</b>	3198 bp
<b>Locus ID:</b>	197358
<b>UniProt ID:</b>	<u>Q7RTR2</u>
<b>Cytogenetics:</b>	16p13.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This gene encodes a NOD-like receptor family member. The encoded protein is a cytosolic regulator of innate immunity. This protein directly interacts with stimulator of interferon genes (STING), to prevent its proper trafficking, resulting in disruption of STING-dependent activation of the innate immune response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]