

## Product datasheet for **RG200335**

### **NOC2L (NM\_015658) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOC2L (NM_015658) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOC2L
Synonyms:	NET7; NET15; NIR; PPP1R112
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG200335 representing NM\_015658  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCTGCGGGAGCCGAAGAGGCGCCTGGCGGAGCTGACGGTGGACGAGTTCCTAGCTTCGGGCT  
 TTGACTCCGAGTCCGAATCCGAGTCCGAAAATTCACACAAGCGGAGACACGGGAAGCACGCGAGGCTGC  
 CCGGAGTCCGGATAAGCCGGGCGGGAGCCCTCGGCCAGCCGGCGTAAAGGCCGTGCCTCTGAGCACAAA  
 GACCAGCTCTCTCGGCTGAAGGACAGAGACCCCGAGTTCTACAAGTTCCTGCAGGAGAATGACCAGAGCC  
 TGCTAAACTTCAGCGACTCGGACAGCTCTGAGGAGGAAGAGGGCCGTTCCACTCCCTGCCAGATGTGCT  
 GGAGGAAGCCAGTGAGGAGGAGGATGGAGCGGAGGAAGGAGAAGATGGGGACAGAGTCCCGAGAGGCTG  
 AAGGGGAAGAAGAATTCTGTTCTGTGACCGTCCGATGGTTGAGAGATGGAAGCAGGCAGCAAAGCAAC  
 GCCTCACTCAAAGCTGTTCCATGAAGTGGTACAGGCGTCCGAGCAGCTGTGGCCACCACCCGAGGGGA  
 CCAGGAAAGTGCTGAGGCCAACAAATCCAGGTCACGGACAGTGTGCATTCAATGCTCTGGTTACCTTC  
 TGATCAGAGACCTCATTGGCTGTCTCCAGAAGCTGCTGTTTGGAAAGGTGGCAAAGGATAGCAGCAGGA  
 TGCTGCAGCCGTCAGCAGCCCGCTCTGGGGAAAGCTTCGTGTGGACATCAAGGCTTACCTGGGCTCGGC  
 CATAACAGCTGGTGTCTGTCTGTGCGGAGACGACGGTGTGGCGGCCGTGCTGCGGCACATCAGCGTGTG  
 GTGCCCTGCTTCTGACCTTCCCAAGCAGTGCCGCATGCTGCTCAAGAGAATGGTGGTTCGATGGAGCA  
 CTGGGGAGGAGTCTCTGCGGGTGTGGCTTTCCTGGTCCCTCAGCAGAGTCTGCCGCGACAAGAAGGACAC  
 TTTCTTGGCCCCGTCTCAAGCAAATGTACATCACGTATGTGAGGAAGTCAAGTTCACCTCGCCTGGT  
 GCCCTCCCCTTCATCAGTTTCATGCAGTGGACCTTGACGGAGCTGCTGGCCCTGGAGCCGGGTGTGGCT  
 ACCAGCAGCCTTCTCTACATCCGCGAGCTCGCCATACACCTGCGCAACGCCATGACCACCCGCAAGAA  
 GGAAACATACCAGTCTGTGTACAACCTGGCAGTATGTGCACTGCCTTCTCTGTGGTGGCGGGTCTGAGC  
 ACTGCGGGCCCCAGCGAAGCCCTCCAGCCCTTGGTCTACCCCTTGGCCAAAGTATCATTGGCTGTATCA  
 AGCTCATCCCCACTGCCCGCTTCTACCCGCTGCGAATGCACTGCATCCGTGCCCTGACGCTGCTCTCGGG  
 GAGCTCGGGGGCCTTCATCCCGGTGCTGCCTTTCATCCTGGAGATGTTCCAGCAGGTCGACTTCAACAGG  
 AAGCCAGGGCGCATGAGCTCCAAGCCCATACTTCTCCGTGATCCTGAAGCTGTCCAATGTCAACCTGC  
 AGGAGAAGGCGTACCGGACGGCCTGGTGGAGCAGCTGTACGACCTCACCTGGAGTACCTGCACAGCCA  
 GGCACACTGCATCGGCTTCCCGAGCTGGTGTGCTGCTGTGGTCCCTGCAGCTGAAGTGTTCCTCCGGGAG  
 TGCAAGGTGGCCAACTACTGCCGCGAGGTGCAGCAGCTGCTTGGGAAGGTTCAAGGAACTCGGCATACA  
 TCTGCAGCCGCCCCAGAGGGTTTCTTCCGGCGTCTCTGAGCAGCAGGCAGTGGAAGCCTGGGAGAAGCT  
 GACCCGGGAAGAGGGGACACCCTTGACCTTGTACTACAGCCACTGGCGCAAGCTGCGTGACCGGGAGATC  
 CAGCTGGAGATCAGTGGCAAAGAGCGGCTGGAAGACCTGAACTTCCCTGAGATCAAACGAAGGAAGATGG  
 CTGACAGGAAGGATGAGGACAGGAAGCAATTTAAAGACCTCTTTGACCTGAACAGCTCTGAAGAGGACGA  
 CACCGAGGGATTCTCGGAGAGAGGGATACTGAGGCCCTGAGCACTCGGCATGGGGTGGAAAGACGATGAA  
 GAGGACGAGGAGGAGGGCGAGGAGGACAGCAGCAACTCGGAGGATGGAGACCCAGACGAGAGCCGGGGC  
 TGGCCCCGGGGAGCTGCAGCAGCTGGCCAGGGGCCGGAGGACGAGCTGGAGGATCTGCAGCTCTCAGA  
 GGACGAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG200335 representing NM\_015658  
 Red=Cloning site Green=Tags(s)

MAAAGSRKRLAELTVDEFASGFDFSESESESENSPQAETREAREAARSPDKPGGSPASRRKGRASEHK  
 DQLSRLKDRDPEFYKFLQENDQSLNFDSDSSEEEEGPFHSLPDVLEEASEEEDGAEEGEDGDRVPRGL  
 KGKKNSVPVTVMVERWKQAAKQRLTPKLFHEVVQAFRAAVATTRGDQESAEANKFQVTDAAFNALVTF  
 CIRDLIGCLQKLLFGKVAKDSSRMLQPSSSPLWGKLRVDIKAYLGSAILQLVLSCLSETTVLAAVLRHISVL  
 VPCFLTFFPKQCRMLLKRMVVVWSTGEESLRVLAFLVLSRVCRHKKDTFLGPVLKQMYITYVRNCKFTSPG  
 ALPFIISFMQWTLTELLALEPGVAYQHAFLYIRQLAIHLRNAMTTRKKETYQSVYVNWQYVHCLFLWCRVLS  
 TAGPSEALQPLVYPLAQVIIGCIKLIPTARFYPLRMHCIRALTLSSGSGAFIPVLPFIEFMFQQVDFNR  
 KPGRMSSKPIFNSVILKLSNVNLQEKAYRDGLVEQLYDLTLEYLHSQAHCIGFPELVLPVVLQKLSFLRE  
 CKVANYCRQVQQLLQKQVENSAYICSRQRVSVFGVSEQQAVEAWEKLTREEGTPLTLYYSHWRKLRDREI  
 QLEISGKERLEDLNFPEIKRRKMADRKDEDRKQFKDLFDLNSSEEDDTGEFSEGIILRPLSTRHGVEDDE  
 EDEEEGEEDSSNSEDGDPDAEAGLAPGELQQLAQGPEDELEDLQLSEDD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:

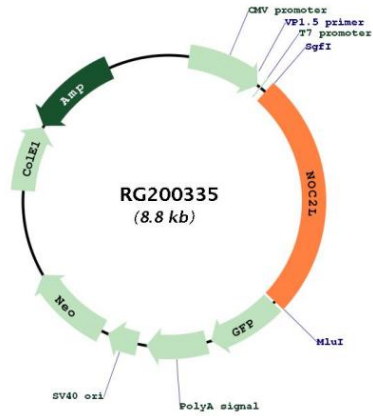


**ACCN:** NM\_015658

**ORF Size:** 2247 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_015658.1</a>, <a href="#">NP_056473.1</a></p>
<b>RefSeq Size:</b>	<p>2762 bp</p>
<b>RefSeq ORF:</b>	<p>2250 bp</p>
<b>Locus ID:</b>	<p>26155</p>
<b>UniProt ID:</b>	<p><a href="#">Q9Y3T9</a></p>
<b>Cytogenetics:</b>	<p>1p36.33</p>
<b>Domains:</b>	<p>UPF0120</p>
<b>Protein Families:</b>	<p>Stem cell - Pluripotency</p>
<b>Gene Summary:</b>	<p>Histone modification by histone acetyltransferases (HAT) and histone deacetylases (HDAC) can control major aspects of transcriptional regulation. NOC2L represents a novel HDAC-independent inhibitor of histone acetyltransferase (INHAT) (Hublitz et al., 2005 [PubMed 16322561]).[supplied by OMIM, Mar 2008]</p>

Product images:



Circular map for RG200335