

## Product datasheet for **MC226482**

### **Nrl (NM\_001271917) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrl (NM\_001271917) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nrl  
**Synonyms:** D14H14S46E  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226482 representing NM\_001271917  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTTCCCTCCAGTCCCTTGGCTATGGAATATGTTAATGACTTTGATTTGATGAAGTTCGAAATAA  
 AGCGGGAGCCTTCTGAGGGCCGATCTGGAGTCCCCACAGCCTCGTTGGGCTCCACACCATACAGCTCGGT  
 GCCTCCTCACCACCTTCAGTGAGCCAGGCATGGTGGTGGTGGCGAGGCCCTAGGCCAGGCCTGGAG  
 GAGCTATATTGGCTGGCCACCCTGCAGCAGCAGCTGGGGTGGATGAGGTTCTCGGGCTGAGTCCCAGC  
 AAGCTGTGGAGCTGCTGCAGAACCAGGGTCTGTCTCTATGGAAGGCCCTTTGGCTACTATTCAGGGAG  
 CCCGGGAGAGACAGGAGCCAGCATGTCCAGCTGCCGAGAGATTTTCGGACGCCGCGCTGGTCTCGATG  
 TCTGTGCGCGAGTTGAACCGGCAGCTGCGGGGCTGCGGGCGCGACGAGGCTCTGCGGCTGAAGCAGAGGC  
 GCCGCAGCTCAAGAACCAGCGGCTACGCTCAGGCTTGTGCTCCAAGCGGCTGCAACAGCGGCGCGGGCT  
 GGAGGCAGAGCGCGCTCGCTGGCCGCCAGCTGGATGCCCTGCGGGCCGAGGTGGCAGCCTGGCTCGC  
 GAGCGGACCTCTATAAGGCCGCTGTGACCGGCTGACCTCCGGCGGCCCTGGTCCGACGACCACACAC  
 ACCTCTTCCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271917  
**Insert Size:** 714 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001271917.1, NP_001258846.1</u>
<b>RefSeq Size:</b>	2377 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	18185
<b>UniProt ID:</b>	<u>P54846</u>
<b>Cytogenetics:</b>	14 28.19 cM
<b>Gene Summary:</b>	<p>This gene encodes a member of the basic leucine zipper domain family of transcription factors. The encoded protein is preferentially expressed in the retina and is necessary for rod photoreceptor development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 3. Variants 1, 2, 3, and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>