

Product datasheet for **MC226481**

Nrl (NM_001271916) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nrl (NM_001271916) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nrl
Synonyms: D14H14S46E
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226481 representing NM_001271916
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCCCTCCAGTCCCTTGCTATGGAATATGTTAATGACTTTGATTTGATGAAGTTCGAAATAA
AGCGGGAGCCTTCTGAGGGCCGATCTGGAGTCCCCACAGCCTCGTTGGGCTCCACACCATACAGCTCGT
GCCTCCTTCAACCACCTTCAGTGAGCCAGGCATGGTGGTGGTGGCGAGGCCCTAGGCCAGGCCTGGAG
GAGCTATATTGGCTGGCCACCCTGCAGCAGCAGCTGGGGTCGGATGAGGTTCTCGGGCTGAGTCCCGACG
AAGCTGTGGAGCTGCTGCAGAACCAGGGTCTGTCTCTATGGAAGGGCCTCTGGCTACTATTAGGGAG
CCCGGGAGAGACAGGAGCCAGCATGTCCAGCTGCCCGAGAGATTTTCGGACGCCGCGCTGGTCTCGATG
TCTGTGCGCGAGTTGAACCGGCAGCTGCGGGGCTGCGGGCGCGACGAGGCTCTGCGGCTGAAGCAGAGGC
GCCGCAGCTCAAGAACCAGCGGCTACGCTCAGGCTTGTGCTCCAAGCGGCTGCAACAGCGGCGCGGGCT
GGAGGCAGAGCGCTCGCTGGCCGCCAGCTGGATGCCCTGCGGGCCGAGGTGGCACGCTGGCTCGC
GAGCGCGACCTCTATAAGGCCCGCTGTGACCGGCTGACCTCCGGCGCCCTGGTCCGACGACCACAC
ACCTTTCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271916
Insert Size: 714 bp



[View online »](#)

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001271916.1, NP_001258845.1</u>
RefSeq Size:	2504 bp
RefSeq ORF:	714 bp
Locus ID:	18185
UniProt ID:	<u>P54846</u>
Cytogenetics:	14 28.19 cM
Gene Summary:	<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 (3) represents the longest transcript. 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>