

## Product datasheet for MR202892

### Nrl (NM\_008736) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nrl (NM_008736) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrl
Synonyms:	D14H14S46E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202892 representing NM_008736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCCCTCCAGTCCCTTGGCTATGGAATATGTTAATGACTTTGATTTGATGAAGTTCGAAATAA  
AGCGGGAGCCTTCTGAGGGCCGATCTGGAGTCCCCACAGCCTCGTTGGGCTCCACACCATACAGCTCGGT  
GCCTCCTCACCCACCTTCAGTGAGCCAGGCATGGTGGTGGTGGCGAGGCCCTAGGCCAGGCCTGGAG  
GAGCTATATTGGCTGGCCACCCTGCAGCAGCAGCTGGGGTGGATGAGGTTCTCGGGCTGAGTCCCAGC  
AAGCTGTGGAGCTGCTGCAGAACCAGGGTCTGTCTCTATGGAAGGCCCTTTGGCTACTATTCAGGGAG  
CCCGGGAGAGACAGGAGCCAGCATGTCCAGCTGCCGAGAGATTTTCGGACGCCGCGCTGGTCTCGATG  
TCTGTGCGCGAGTTGAACCGGCAGCTGCGGGGCTGCGGGCGCGACGAGGCTCTGCGGCTGAAGCAGAGGC  
GCCGCAGCTCAAGAACCAGCGGCTACGCTCAGGCTTGTGCTCCAAGCGGCTGCAACAGCGGCGCGGGCT  
GGAGGCAGAGCGCGCTCGCTGGCCGCCAGCTGGATGCCCTGCGGGCCGAGGTGGCAGCCTGGCTCGC  
GAGCGGACCTCTATAAGGCCGCTGTGACCGGCTGACCTCCGGCGGCCCTGGTCCGACGACCACACAC  
ACCTCTTCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202892 representing NM\_008736  
Red=Cloning site Green=Tags(s)

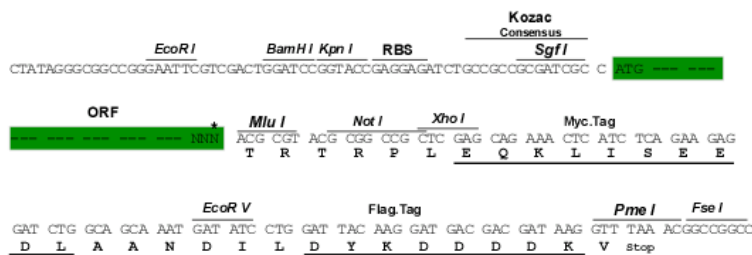
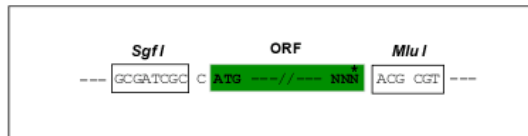
MAFPPSPPLAMEYVNDFDLMKFEIKREPSEGRSGVPTASLGSTPYSSVPPSPTFSEPGMVGGGEAPRPGLE  
 ELYWLATLQQQLGSDEVLLGLSPDEAVELLQNQGPVSMGEPGLGYSGSPGETGAQHVLPERFSDAALVSM  
 SVRELNRLRGCCRDEALRLKQRRRTLKNRGYAQACRSKRLQRRGLEAERARLAAQLDALRAEVARLAR  
 ERDLYKARCDRLTSGGPGSDDHHLFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_008736

**ORF Size:** 711 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).

**Reconstitution Method:**

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:** [NM\\_008736.3](#), [NP\\_032762.1](#)

**RefSeq Size:** 2422 bp

**RefSeq ORF:** 714 bp

**Locus ID:** 18185

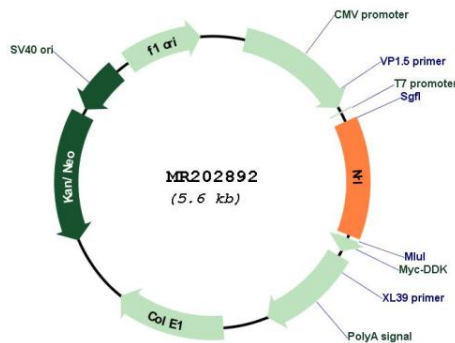
**UniProt ID:** [P54846](#)

**Cytogenetics:** 14 28.19 cM

**MW:** 26.5 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR202892