

## Product datasheet for MR200816

### Nhlh2 (NM\_178777) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nhlh2 (NM\_178777) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nhlh2  
**Synonyms:** 6230401I09Rik; bHLHa34; Hen2; Nscl-2; NSCL2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200816 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCTGAGTCCGGACCAAGCCGCCGACTCAGATCACCCAGCTCGACGCACTCGGACCCGGAGTCTC  
 TGGGCGGCGCAGACACCAAGTTCTGGGCAGCGTGTCCGACCTAGAGCCAGTGGAGGAGGCGGACGGCGA  
 CGGCAAGGGAGGCAGCCGGGCCGCTCTACCCGCACCCGCAGCAGCTGAGCCGGAAGAAAAGCGCCGC  
 CGCCGGCGCGCCACGGCCAAGTACCGATCGGCCACGCCACCCGCGAGCGCATCCGAGTGGAGGCTTTCA  
 ACCTGGCCTTCGCCGAGCTCCGAAACTACTACCCACGCTGCCTCCGGACAAGAAGCTCTCAAGATCGA  
 GATTCTGCGCTTGCCATCTGCTACATCTCTATCTCAACCATGCTCTGGACGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200816 protein sequence  
 Red=Cloning site Green=Tags(s)

MMLSPDQAADSDHPSSTHSDPELGGADTKVLGSVSDLEPVVEADGDGKGSRAALYPHPQQLSREEKRR  
 RRRATAKYRSAHATRERIRVEAFNLAFELRKLPLPPDKLKSIEILRLAICYISYLNHVLDV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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## Cloning Scheme:



ACCN: NM\_178777

ORF Size: 408 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\\_178777.3](#), [NP\\_848892.1](#)

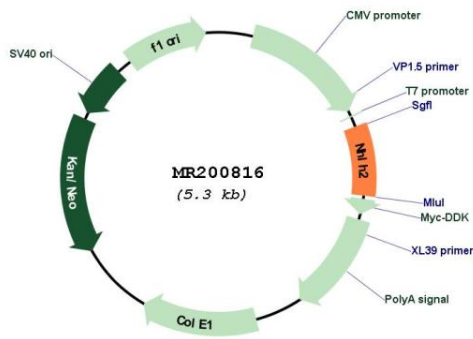
RefSeq Size: 3353 bp

RefSeq ORF: 408 bp

Locus ID: 18072

UniProt ID: [Q64221](#)  
 Cytogenetics: 3 F2.2  
 MW: 15 kDa  
 Gene Summary: May serve as DNA-binding protein and may be involved in the control of cell-type determination, possibly within the developing nervous system.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200816