

Product datasheet for **RG215835**

NHLH2 (NM_005599) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: NHLH2
Synonyms: bHLHa34; HEN2; NSCL2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215835 representing NM_005599
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGCTGAGTCCGGACCAAGCAGCAGATTTCGGACCATCCAGCTCGGCGCACTCGGATCCGGAGTCCC
TGGGCGGCACGGACACCAAGGTGCTCGGCAGCGTGTTCGGACCTGGAGCCGGTGGAGGAGGCCGAGGGCGA
CGGCAAGGGCGGCAGCCGAGCCGCGCTCTACCCGACCCGAGCAGCTGAGCCGCGAGGAGAAGCGCCGC
CGCCGGCGCGCCACGGCCAAGTACCGCTCGGCCACGCCACCCGCGAGCGCATCCGCGTGAAGCCTTCA
ACTTGGCCTTCGCCGAGCTCCGAAATTGCTGCCACGCTGCCCGGACAAGAAGCTCTCCAAGATCGA
GATCCTGCGCCTGGCCATCTGCTACATCTCCTATCTCAACCACGTCTGGACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215835 representing NM_005599
Red=Cloning site Green=Tags(s)

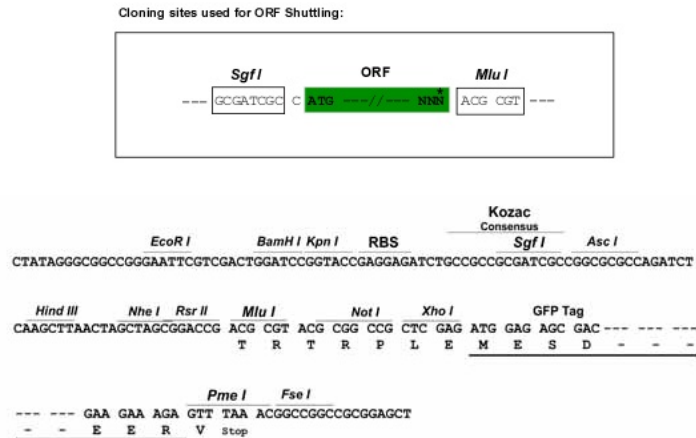
MMLSPDQAADSDHPSSAHSDPESLGGTDTKVLGSVSDLEPVVEEAEGDGKGSRAALYPHPQQLSREEKRR
RRRATAKYRSAHATRRIRVEAFNLAFAELRKLLPTLPPDKKLSKIEILRLAICYISYLNHVLVDV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_005599

ORF Size: 405 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.

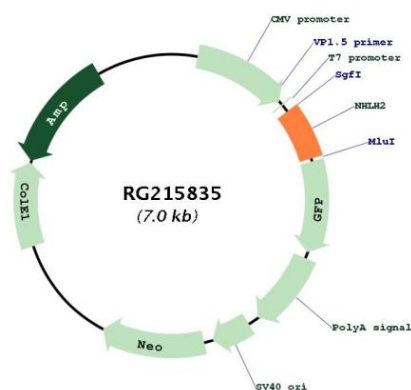
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_005599.3
RefSeq Size: 2518 bp
RefSeq ORF: 408 bp
Locus ID: 4808
UniProt ID: Q02577

Cytogenetics: 1p13.1

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 RG215835