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Product datasheet for RG203893

NHLH1 (NM_005598) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NHLH1 (NM_005598) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NHLH1
Synonyms:	bHLHa35; HEN1; NSCL; NSCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203893 representing NM_005598 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGCTCAACTCAGACACCATGGAGCTGGACCTGCCGCCCACCCACTCAGAGACTGAGTCGGGCTTCA GTGACTGTGGGGGCGGGGCGGGCCCTGATGGTGCCGGGCCTGGGGGTCCGGGAGGGGGCCAGGCCCGAGG CCCAGAGCCGGGAGAGCCTGGCCGGAAAGACCTGCAGCATCTGAGCCGCGAGGAGCGCCGGCGCCGGCGC CGCGCCACAGCCAAGTACCGCACGGCCCACGCCACGCGAGAACGCATCCGCGTGGAAGCCTTCAACCTGG CCTTCGCCGAGCTGCGCAAGCTGCTGCCTACGCTGCCCCCCGACAAGAAGCTCTCCAAGATTGAGATTCT GCGCCTGGCCATCTGCTATATCTCCTACCTGAACCACGTGCTGGACGTC ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG203893 representing NM_005598 Red=Cloning site Green=Tags(s) MMLNSDTMELDLPPTHSETESGFSDCGGGAGPDGAGPGGPGGGQARGPEPGEPGRKDLQHLSREERRRRR RATAKYRTAHATRERIRVEAFNLAFAELRKLLPTLPPDKKLSKIEILRLAICYISYLNHVLDV TRTRPLE - GFP Tag - V
Restriction Sites:	SgfI-MluI

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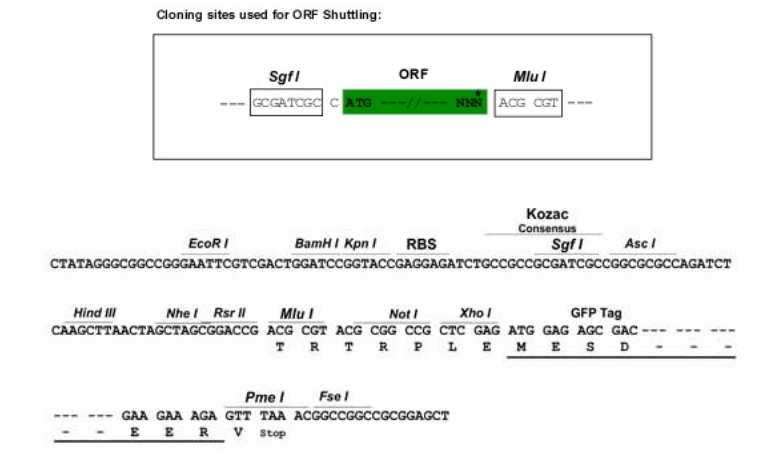
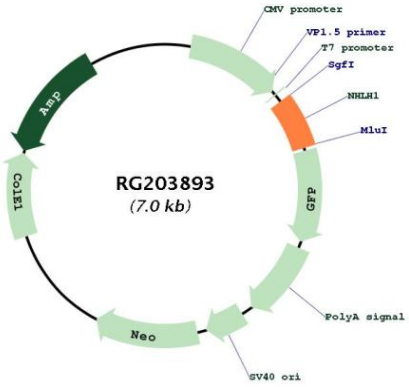
Cloning Scheme:



ACCN:	NM_005598
ORF Size:	399 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_005598.4
RefSeq Size:	2527 bp

RefSeq ORF:	402 bp
Locus ID:	4807
UniProt ID:	Q02575
Cytogenetics:	1q23.2
Protein Families:	Transcription Factors
Gene Summary:	The helix-loop-helix (HLH) proteins are a family of putative transcription factors, some of which have been shown to play an important role in growth and development of a wide variety of tissues and species. Four members of this family have been clearly implicated in tumorigenesis via their involvement in chromosomal translocations in lymphoid tumors: MYC (MIM 190080), LYL1 (MIM 151440), E2A (MIM 147141), and SCL (MIM 187040).[supplied by OMIM, Nov 2002]

Product images:



Circular map for RG203893