

## Product datasheet for **SC122722**

### **NHLH1 (NM\_005598) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NHLH1 (NM_005598) Human Untagged Clone
Tag:	Tag Free
Symbol:	NHLH1
Synonyms:	bHLHa35; HEN1; NSCL; NSCL1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005598 edited
GGTGTGTGTGTGAGTGTGGCTGGCCCCAGTACCTGGCCAAGCCCACCACTTCCACCTGGG
CCCTACACCCCCACAATGTGTACCCCTCTTATCTGCCCTGGAGCCTGTACAGCCATGCCA
CGCTACCCTGAGAGTCTAGAAAGCTGGTCACTAACTTTGCAGACGGATGAGCCTTGAGC
ACCCAGAGGAGACTGGGGCTGTCAACGCTGCCCTTGTCTGCCGGCTTGATCCCCTGA
CAGGGTCTTCTAGGCTTCAGACTGGCACCTGACCATGGAACCTGAAGTGGCAGTGAC
TTCTAGAGCTCAGTGGCAGACCCACGACCTTCTCCCCCTTCTCCCCCTCCCACCCAC
CAGCTTTC AAGCTCCCAGAGGGAGGGGTGGGAGGGGATCCTGATCTCACAGGGCAGGGG
GCTTCCATCATGATGCTCAACTCAGACACCATGGAGCTGGACCTGCCGCCACCCACTCA
GAGACTGAGTCGGGCTTCACTGACTGTGGGGGCGGGGCGGGCCCTGATGGTCCCGGGCT
GGGGTCCGGGAGGGGGCCAGGCCGAGGCCAGAGCCGGGAGAGCCTGGCCGAAAGAC
CTGCAGCATCTGAGCCGCGAGGAGCGCCGGCGCCGGCGCCGACAGCCAAGTACCGC
ACGGCCCACGCCACGCGAGAACGCATCCGCGTGGAAAGCCTTCAACTGGCCTTCGCCGAG
CTGCGCAAGCTGTGCCTACGCTGCCCCCGACAAGAAGCTCTCCAAGATTGAGATTCTG
CGCTGGCCATCTGCTATATCTCTACCTGAACCACGTGCTGGAGCTCTGAACTCAGCCT
GTCTCCACCTCCCGGGCTCTCTGGGGCCCTTCCACCCTCACTGCTTAGAAAGGCC
GCATCCTCCCGAGCCCTTATACCTTGGCATGGAGTCCCAAGGCCCTGGGCACAGGCAG
AGAGCCCACCGGCTGGTCATGAGGGCTTCTCTTCTCTGACCCAGGCACCTCGAGGGC
TATTCTCTGGGTTCCTTCCGGGTTTATTGCTGAGGCCAGCTGTGCAGAATTGTTTGC
TAGTGTGGTTGGTATGGAATCCTTGCTGGCTTTACTAAGCCAGCCACACTTGAGTCTGC
CCCCAAGCTCTCACTGAATGTGCCTTCTACCCCTATGTCCAAATTTTCAGCCACC
ACAGACTCAGCTGTGTATCCTATCTGTCTAGCTTCTCTGCCCTGGTGGGGATGGGC
GTGCAGAATTGCAAGGGAGGAAGGCTGGGTTAGAGTGGGAGTGGGCTTCTTCTCCAA
GATCTCAGTCTCTCAGTGTGGCAGAGGGGTGAGGCCCTGGGGAGGCAGGGGTTGGTGC
CCTGACTCCTGTGAGGGGAATCTCAGTAGCTGGGAATTATGAAAAAATCTTCTGTTTT
TGTCCATCTTGTCTGTGGCTTAGCACATACAGACCTCAGATCTTACTTGGTAGTGAGT
GCCTTGCCTCTTTGAGCTATTTGGCTACTTCCCTGTCCCTCTGACTCCTACTGTCCAA
TTTTCTCCCTCCCTGTGTGCTACTAGAGAAAAAAAAAAAAACAAAAACCTAGATTCCGGATT
AGGGGATGACATCCCAAACAGCCCGGAGTATTTGCAGAAGGCTCAGGCAACGAGTGGGC
ACATCTCACTTCTGCTTCTCATCTCAGCCCACTCTGAAAATGTGCAGCACCCCTCACTGG
TTCTCCCCCAACGCAAGGAGGATGCCCAATTGTTGCCCTCTAAAAATGCACAGTTCTC
CTGGCCCTAGGACTTACTTATTACATTTTTTTCTTTTCTTCTTCTGAGCTGCCTTTGGCAAGG
GAAGAGACCCCCAACTCTGCGCCCTACTCCATGCTGCTGATCCCCACCTGCGCACTATA
GCGCAGGGTACAGAGTGGAAATGAAGGGCCTTAGAACCTGCATAGAAGAAATGAACTCACT
GCATTTCTGTGCTCCCTCCTCCCTCGCACCAAACCTCTAGCTCTACAAGTATATTTATTT
ATTTATTTATTTATTCATCTATTTATTTACTTATTTATTTATTTATTTATAAATATTGCT
ATTTATTTGCCAGTTGTGCACCTTGGGGTAGAGTGGGGGCTCCCAGCAGCTCTAGCTGG
GTCTCTCTTGTCTCCTCCCTGCTTACGCCTTTCCTTTTCTTGTCTCTTCTCAACTCCTG
GTGTGTGTGAGCATGCCCTTTGCTTGCCACACCATATCCTTTCCCAGATCCACCTGTCC
TGACACTTAGTCTCCAGGATAGTGTCTCCTCCCCAGCTCCAGGGCTCCTGGATGTCCT
TCCTCAACTCCCTCCACCCTAGACAATCCTACCTGGTCCCATCTGCCTTTTTCTCTCC
CCAGCCTGCCCTGTGACCCTTGCTTCTCTGATACTCCCAAGAGCAGGCCCCAGGGGTC
TGTGTACATATCTGTGTGATTCCTTCTGGTTGCATCCCCAATTTTCATACAAAAAAA
AAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005598 unedited TCCTTTATTTTGTAAATACCACTTCTCTATAGGNACGGCCGCGNAATTCCTGGGCTATCGT CGACCCACGCGTCCGGGTGTGTGTGTGAGTGTGGCTGGCCCCAGTACCTGGCCAAGCCCA CCACTTCCACCTGGGCCCTACACCCCAACAATGTGTACCCTCTTATCTGCCCTGGAGCC TGTACAGCCATGCCACGCTACCCCTGAGAGTCTAGAAAGCTGGTCACTAACTTTGCAGAC GGATGAGCCTTGAGCACCCAGAGGAGACTGGGGCTGTCAACGCTGCCCTTGTCCCTGCCG GCTTGGATCCCCTGACAGGGTCTTCTAGGCTTACAGACTGGCACCCCTGACCATGGAACCC TGAAGTGGCAGTGACTTCTAGAGCTCAGTGGCAGACCCACGACCCTTCCCTCCCTTCC TCCCCCTCCACACCAGCTTTCAAGCTCCCATAGGGAGGGGTGGGGAGGGGATCCTGAT CTCACAGGGCAGGGGCTTCCATCATGATGCTCAACTCAGACACCATGGAGCTGGACCTG CCGCCACCCACTCAGAGACTGAGTCGGGCTTCACTGACTGTGGGGGCGGGGCGGCCCT GATGGTCCGGGCTGGGGTCCGGGAGGGGGCCAGGCCAGAGCCGAGCCGGGAGAG CCTGGCCGGAAAGACCTGCAGCATCTGAGCCGCGAGGAGCGCCAGCGCCGCGCCGCGCC ACAGCCAAGTACCGCACGGCCACGCCACGCGAGAACGCATCCGCGTGAAGCCTTACC TGGCCTTCCCGAGCTGCGCAAGCTGCTGCCTACGCTGCCCCCGAAAGAAGCTCTCAA GATTGAAATCTGCGCTGGCCATCTGCTTATCTCTACCTGAACAACCTGCTGGACGTTGG AACTCAAGCGGTCTCCACCTCCCGGCTTTTTGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005598
<b>Insert Size:</b>	2527 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_005598.2</a> , <a href="#">NP_005589.1</a>
<b>RefSeq Size:</b>	2527 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	4807
<b>UniProt ID:</b>	<a href="#">Q02575</a>
<b>Cytogenetics:</b>	1q23.2
<b>Protein Families:</b>	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]