

Product datasheet for **RG204842**

TH1L (NELFCD) (NM_198976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TH1L (NELFCD) (NM_198976) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NELFCD
Synonyms:	HSPC130; NELF-C; NELF-D; TH1; TH1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204842 representing NM_198976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGGGCCGTGCCGGGCGCCATCATGGACGAGGACTACTACGGGAGCGCGCCGAGTGGGGCGACG
 AGGCTGACGGCGGCCAGCAGGAGGATGATTCTGGAGAAGGAGAGGATGATGCGGAGGTTTACGAAGAATG
 CCTGCATAAAATTTCCACCCGGGATTATATCATGGAACCCCTCCATCTTCAACACTCTGAAGAGGATTTT
 CAGGCAGGAGGGTCTCCAGAGAATGTTATCCAGCTCTTATCTGAAAACACACCGCTGTGGCCAGACTG
 TGAACCTGCTGGCCGAGTGGCTCATTGACAGAGGTGTTGAGCCAGTGCAGGTTTACGAAACTGTGAAAA
 TCACTTGAAGAGTTTGTGATCAAACATTTGACCCCGCAAAGCAGATTCTATTTTTACTGAAGAAGGA
 GAGACCCAGCGTGGCTGGAACAGATGATTGCACATACCACGTGGCGGGACCTTTTTTATAAACTGGCTG
 AAGCCCATCCAGACTGTTTGTGCTGAACCTTACCCTTAAGCTTATTTCTGACGCAGGGTACCAGGGGGA
 GATCACCAGTGTGTCACAGCATGCCAGCAGCTAGAAGTGTCTCGAGAGTGTCCGGACCTCTCTAGCT
 ACAATTTTAGATGGAGGAGAAGAAAACCTTGAAAAAATCTCCCTGAGTTTGCTAAGATGGTGTGCCACG
 GGGAGCACACGTACCTGTTTGCCAGGCCATGATGTCCGTGCTGGCCAGGAGGAGCAGGGGGGCTCCGC
 TGTGCGCAGGATCGCCAGGAAGTGCAGCGCTTTGCCAGGAGAAAGTTCATGACCCAGTCAAGTACACA
 CTAGCCTTGGGCACAGCTGCCTCCTACCCAGGGCCTGCCAGGCTCTCGGGGCCATGCTGTCCAAAGGAG
 CCCTGAACCTGCTGACATCACCCTCCTGTTCAAGATGTTCAAGAATGGACCTCCTCCGGTTGAACT
 TATCCGCTTCCAGCCTTCTGGACCTGTTTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 GACCCACAAGCACAATAACATCCACATCTTGCGTACGCAGCAAGCGTGGTGGAGCTGGAAGAAGAACA
 AGCGAGTGAGCATCAATAAAGATGAGCTGAAGTCAACGTCAAAAGCTGTCGAAACCGTTCACAATTTGTG
 TTGCAACGAGAACAAGGGGCTCTGAACTAGTGGCAGAATTGAGCACACTTTATCAGTGTATTAGGTTT
 CCAGTGGTAGCAATGGGTGTGCTGAAGTGGGTGGATTGGACTGTATCAGAACCAAGTACTTTTACGCTGC
 AGACTGACCATACCCCTGTCCACCTGGCGTTGCTGGATGAGATCAGCACCTGCCACCAGCTCCTGCACCC
 CCAGGTCTGCAGCTGCTTGTAAAGCTTTTGGACTGAGCACTCCAGCTGGACGTGATGGAGCAGCTT
 GAGTTGAAGAAGACTGCTGGACAGGATGGTTTCACTGCTGAGTCGAGGTTATGTACTTCTGTTGTCA
 GTTACATCCGAAAGTGTCTGGAGAAGCTGGACACTGACATTTCACTCATTGCTATTTTGTCACTGAGGT
 GCTGGACGTATTGCTCCTCTTATACCTGACTTCGTGCAACTTTTCTCCCATCCTGGAGAATGAC
 AGCATCGCAGGTACCATCAAACGGAAGCGGAGCATGACCCTGTGACGGAGTTTATAGCTACTGCAAA
 CTAACCTCATCATGGTGAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204842 representing NM_198976
 Red=Cloning site Green=Tags(s)

MAGAVPGAIMDEDYYGSAEAWGDEADGGQEDDSGEGEDDAEVQQECLHKFSTRDYIMEPSIFNTLKRYF
 QAGGSPENVIQLLSENYTAVAQTVNLLAEWLIQTGVPEPVQVQETVENHLKSLLIKHFDPKADSIFTEEG
 ETPAWLEQMIAHTTWRDLFYKLAEHPDCLMLNFTVKLISDAGYQGEITSVSTACQQLVFSRVLRTSLA
 TILDGGEENLEKNLPEFAKMOVCHGEHTYLFQAAMMSVLAQEEQGGSAVRRIAQEVQRFQAEKGHDASQIT
 LALGTAASYPRACQALGAMLSKALNPADITVLFKMFSTMDPPPVELIRVPAFLDLFMQSLFKPGARINQ
 DHKHKYIHILAYAASVETWKKNKRVSIKDELKSTSKAVETVHNLCCNENKGASELVAELSTLYQCIRF
 PVVAMGVLKWVDWTVSEPRYFQLQTDHTPVHLALLDEISTCHQLLHPQVLQLLVLKLFETEHSQLDVMEQL
 ELKKTLLDRMVHLLSRGYVLPVVSYIRKCLEKLDITDISLIRYFVTEVLDVIAPPYTSDFVQLFLPILEND
 SIAGTIKTEGEHDPVTEFIAHCKSNFIMVN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_198976.1 , NP_945327.1
RefSeq Size:	2263 bp
RefSeq ORF:	1746 bp
Locus ID:	51497
UniProt ID:	Q8IXH7
Cytogenetics:	20q13.32
Protein Families:	Transcription Factors
Gene Summary:	The NELF complex of proteins interacts with the DSIF protein complex to repress transcriptional elongation by RNA polymerase II. The protein encoded by this gene is an essential part of the NELF complex. Alternative translation initiation site usage results in the formation of two isoforms with different N-termini. [provided by RefSeq, Jul 2008]