

Product datasheet for **SC114669**

NELF (NSMF) (NM_015537) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELF (NSMF) (NM_015537) Human Untagged Clone
Tag:	Tag Free
Symbol:	NELF
Synonyms:	HH9; NELF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015537, the custom clone sequence may differ by one or more nucleotides

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ATGGGCGCCGCCCTCCAGGAGGAGGGCGCTGAGGAGCGAGGCCATGTCCTCGGTGGCGGCCAAAGTGC
GAGCAGCCCGAGCGTTTGGAGAGTACCTGTCCCAGAGTACCCTGAGAACCAGCAACGGCGCAGATCACCT
GCTGGTGTAGTGCCTACTCTGGCCACGACGGGTCCCCGAGATGCAGCCGGCCCCCAGAACAAGCGCCGC
CTGTCCCTCGTCTCCAACGGCTGCTACGAGGGCAGCCTCTCAGAGGAGCCAGCATTAGGAAGCCCGCAG
GCGAGGGCCCTCAGCCTCGAGTGTACACCATCTCTGGGGAGCCTGCCCTGCTGCCAGCCCTGAGGCGGA
GGCCATTGAGCTGGCGGTGGTGAAGGGGCGGGCAGCGCACCCCTACCATCACAGCCAGCCCTGCGC
GCCAGCCCTGGTGGCAGCCGGGAGGACGTGACGAGGCCCTGCCAGAGCTGGGCGGGCAGCCGCCAGGGCT
CCAAGGAGTGCCCGGATGTGCCAGCTGGCTCTGGCCCCACCCTCGGGCCTTTGGGTGACCAGCC
ACCTCTGCCTGAGACCTCCGGTCGCGCAAGAAGCTGGAGAGGATGTACAGCGTTGACCGTGTGTCTGAC
GACATCCCTATTCGTACCTGGTTCCTCAAGGAAAATCTTTTCAGCTTCCAGACAGCAACCACAATATGC
AAGCGGTGTTTCAAGGGCTACGCGGAGAGGAAGCGCGAAACGGGAGAATGATTCGCGTCTGTAATCCA
GAGGAACCTCCGCAAACACCTGCGCATGGTTCGGCAGCCGAGGGTGAAGGCCAGACGTTGCTGAGCGG
CGCGAGCGGAGCTTCAGCCGGTCTGGAGCGACCCACCCTGAAAGCCGACACTTCCCACGACTCCC
GAGACAGCAGTGACCTGCAGAGCTCCCACTGCACGCTGGACGAGGCCCTCGAGGACTGGACTGGGACAC
TGAGAAGGGCCTGGAGGCTGTGGCTGCGACACCGAAGGCTTCGTGCCACCAAGGTCATGCTCATTTC
TCCAAGGTGCCAAGGCTGAGTACATCCCCTATCATCCGCGGGATGACCCCTCCATCATCCCCTCC
TCTACGACCATGAGCACCAACCTTCGAGGACATCCTTGAGGAGATAGAGAGGAAGCTGAACGTCTACCA
CAAGGGAGCCAAGATCTGAAAATGCTGATTTTCTGCCAGGGAGGTCTGGACACCTCTATCTCTCAAG
ACAAGTGGCCACCTTTGCCAAGTGGAGAAGGAAGGACATGATTCACTTCTGGAAGCGGCTGAGCC
GCCTGATGAGCAAAAGTGAACCCAGAGCCGAAACGTCATCCACATCATGGGCTGCTACATCTGGGGAAACC
CAATGGAGAGAAGCTGTTCCAGAACCTCAGGACCTCATGACTCCTTATAGGGTACCTTCGAGTACCC
CTGGAGCTCTCAGCCCAAGGGAAGCAGATGATCGAGACGTAATTTGACTTCCGGTGTATCGCCTGTGGA
AGAGCCGCCAGCACTCGAAGCTGCTGGACTTTGACGACGTCCTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015537 unedited

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TTTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCAGCCGCCAGGG
CTCCAAGGAGTGCCCCGATGTGCCAGCTGGCTCCTGGCCCCACCCTCGGGCCTTTGG
GCTGGACCAGCCACCTCTGCCTGAGACCTCCGGTCGCGCAAGAAGCTGGAGAGGATGTA
CAGCGTTGACCGTGTGTCTGACGACATCCCTATTCGTACCTGGTTCCTCAAGGAAAATCT
TTTCAGCTTCCAGACAGCAACCACAATATGCAAGCCATCTCGGTGTTCAAGGGCTACGC
GGAGAGGAAGCGCCGAAACGGGAGAATGATTCGCGTCTGTAATCCAGAGGAACCTCCG
CAAACACCTGCGCATGGTCGGCAGCCGGAGGGTGAAGGCCAGACGTTGCTGAGCGGCG
CGAGCGGAGCTTCAGCCGGTCTGGAGCGACCCACCCTGAAAGCCGACACTTCCCA
CGACTCCCGAGACAGCAGTGACCTGCAGAGCTCCCACTGCACGCTGGACGAGGCCTTCA
GGACCTGGACTGGGACACTGAGAAGGGCCTGGAGGCTGTGGCCTGCGACACCGAAGGCTT
CGTGCCACCAAGGTCATGCTCATTTCCTCCAAGGTGCCAAGGCTGAGTACATCCCAC
TATCATCCGCGGGATGACCCCTCCATCATCCCCTCTCTACGACCATGAGCACGCAAC
CTTCGAGGACATCCTTGAGGAGATAGAGAGGAAGCTGAACGTCTACCCAAGGGAGCCAAG
ATCTGAAATGGCTGATTTTCTGCCAGGGAGTCTGGACACTCTATCTCTCAGAACAGGG
TTGCCCTTTGCCAAGTGGAGAAGGAGAGACATGATTACTT
    
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Restriction Sites: NotI-NotI
ACCN: NM_015537
Insert Size: 4230 bp

OTI Disclaimer:	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).
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_015537.3 , NP_056352.3
RefSeq Size:	2972 bp
RefSeq ORF:	1587 bp
Locus ID:	26012
UniProt ID:	Q6X4W1
Cytogenetics:	9q34.3
Domains:	IQ
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is involved in guidance of olfactory axon projections and migration of luteinizing hormone-releasing hormone neurons. Defects in this gene are a cause of idiopathic hypogonadotropic hypogonadism (IHH). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.