

## Product datasheet for **SC322751**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for SC322751
CTCCCGGGAGCGCGGCACGCGCGGAGCGCCGGGTGCGGCCATGCGGGGACCGGGCCCGA
CCCCGAGCCCGACCCCGAGCCCAAGCCCGAGCCGAGCCCGAGCGAGACCCCGAGCCCGA
GCCCGAGCGCGACCCCGGTGCGGCGCGGCTACCCCGCGGAGGCGGGCGGGCGGGGGCG
CGCTCTGAGGCCCGGGGATGCGCCGCGCCTCGACCATGGGCGCCGCGCCTCCAGGAG
GAGGGCGCTGAGGAGCGAGGCCATGTCTCGGTGGCGGCCAAAGTGGGAGCAGCCCGAGC
GTTTGGAGAGTACCTGTCCCAGAGTACCCTGAGAACCACAACGGCGCAGATCACCTGCT
GGCTGATGCCTACTCTGGCCACGACGGGTCCCCGAGATGCAGCCGGCCCCCAGAACAA
GCGCCGCTGTCCCTCGTCTCCAACGGTGCTACGAGGGCAGCCTCTCAGAGGAGCCAG
CATTAGGAAGCCCGCAGGCGAGGGCCCTCAGCCTCGAGTGTACACCATCTCTGGGGAGCC
TGCCCTGTGCCAGCCCTGAGGCGGAGGCCATTGAGCTGGCGGTGGTGAAGGGGCGGGG
GCAGCGGCACCCTCACCATCACAGCCAGCCCTGCGCGCCAGCCCTGGTGGCAGCCGGGA
GGACGTACAGAGCCCTGCCAGAGCTGGGCGGGCAGCCGCGAGGGCTCCAAGGAGTGCC
CGGATGTGCCAGCTGGTCTTGCCCCACCCCTCGGGCCTTTGGGCTGGACCAGCCACC
TCTGCCTGAGACCTCCGGTCCGCGCAAGAAGCTGGAGAGGATGTACAGCGTTGACCGTGT
GTCTGACGACATCCCTATTCGTACTGGTTCGCCAAGGAAAATCTTTTACGCTTCCAGAC
AGCAACCACTATGCAAGCGGTGTTACGGGGTACGCGGAGAGGAAGCGCCGGAAACG
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CAGCCGGAGGGTGAAGGCCCAGACGTTCCGCTGAGCGGCGGAGCGGAGCTTACGCCGGTC
CTGGAGCGACCCACCCCATGAAAGCCGACACTTCCACGACTCCCGAGACAGCAGTGA
CCTGCAGAGCTCCCACTGCACGCTGGACGAGGCCTTCGAGGACCTGGACTGGGACTGA
GAAGGGCTGGAGGCTGTGGCTGCGACACCGAAGGCTTCGTGCCACCAAGGTCATGCT
CATTTCCTCCAAGGTGCCAAGGCTGAGTACATCCCACTATCATCCCGGGGATGACCC
CTCCATCATCCCATCCTTACGACCATGAGCAGCAACCTTCGAGGACATCCTTGAGGA
GATAGAGAGGAAGCTGAACGTCTACCACAAGGGAGCCAAGATCTGAAAATGCTGATTTT
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AGTGGAGAAGGAAGAGGACATGATTCATTCTGGAAGCGGCTGAGCCGCCTGATGAGCAA
AGTGAACCCAGAGCCGAACGTATCCACATCATGGGCTGTACATTCTGGGGAACCCCAA
TGGAGAGAAGCTTCCAGAACCTCAGGACCCTCATGACTCCTTATAGGGTCACCTTCGA
GTCACCCCTGGAGCTCTCAGCCCAAGGGAAGCAGATGATCGAGACGTAATTTGACTCCG
GTTGTATCGCCTGTGGAAGAGCCGCCAGCACTCGAAGCTGCTGGACTTTGACGACGCTCT
GTGAGGGCAGAGGCCTCCGCCAGTACCATCAGGCCACTCCCTCTGCACCGGGACCTG
GGGCTGGGCCGCTCGTGTCTCCCGGGACTGTGTGGCTCCGGTCTCGCCTGGAGCCACTT
CAGGGCACCTCAGACGTTGCTCAGGTTCCCCCTGTGGGTTCCGGTCTCGCTGCACCCGT
GGCCGAGAGGCTGCAGTCCCTGGGGCCGGGAGGATCCCGCCCTGTGGCCCGTGGATGC
TCAGCGGCCAGGCACTGACCTGCCATGCCTCGCTGGAGGCTCAGCTGTGGGCATCCCTC
CATGGGTTTCATAGAAATAAGTGAATTTCTACACCCCGAAACAATCAAAGGGAAGCA
GCATTTCTTGTTAACTAGTTAAGCACTATGCTGCTAGTTACAGTGTAGGCACCCCGGCC
AGCAGCCAGCAGCCACATGTGTTGAGGACCTCCCTGCCACCCCTCCCTGCCGTAT
CGATCACCAGCACCAGGTGGCCGTGTGCGTGGGGCCAGCGTCCCGGGCTGCCAGCC
TGGCTCTGTCTACTGCGGAGTCTCTGGGTCTGTCTACTGCGCGAGTCTCCGACTG
TCTGTGTTTTCACTTACTCTCTTGCCACCCCCATCCCTGCTTACTTAGACCTCAGC
CGGCGCCGACCCGTTAGGGCAGTCTGGGCGAGCAGGAAGGAAGGGCGCAGCGTCCCTC
CTTCAGAGGAGGCTCTGGGTGGGGCTGCTCCCATCCCCCAAGCCACCCAGCACTCT
CATTGCTGCTGTTGAGTTCAGCTTTTACCAGCCTCAGTGTGGAGGCTCCATCCCAGCACA
CAGGCCTGGGGCTTGGCAGGGGCCAGCTGGGGCTGGGCCCTGGGTTTTGAGAACTCGC
TGGCACACAGTGGGCCCTGGACCCGGCCGCGCAGCTGGTGGACTGTAGGGGCTCTGA
CTGGGCACAGGAGCTCCAGCTTTTGTCCACGGCCAGCAGGATGGGCTGTGCGTATATA
GCTGGGGCGAGGGGGCAGGCCCCCTTGTGCAGAGCCAGGGGTCTGAGGGCACCTGGCTG
TGTTCCAGCTGAGGGAGGGCTGGGGCGGGGGCCGGGCTTGAACGATGTACGATACCCT
CATAGTGACCATTAACCTGATCCTCCACCGCAAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015537
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_015537.3</a> , <a href="#">NP_056352.3</a>
<b>RefSeq Size:</b>	2972 bp
<b>RefSeq ORF:</b>	1587 bp
<b>Locus ID:</b>	26012
<b>UniProt ID:</b>	<a href="#">Q6X4W1</a>
<b>Cytogenetics:</b>	9q34.3
<b>Domains:</b>	IQ
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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.