

## Product datasheet for **SC322097**

### **NFE2L3 (NM\_004289) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NFE2L3 (NM_004289) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFE2L3
Synonyms:	NRF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for SC322097  
 GGGCTCGGCGCTCAGGTGGCTCCTTCTTCGCTTCTCCCGATCCCCGGCGGTGCCAGGCAC  
 GGTGCCGGCTGCCGAGGGAACGCCTTTGTGCCGGTGTGGGAACCCGCGACGGCCGCCA  
 CGCGCCCCGGTCCATTGTTTCGTTATCTGGGTTCCAGGCAGGTGCGGGCGGCGCGCGGG  
 GTCCGCACGTGTACCCCGGCGGCTGGGGCGCCGGGACCCGCGGGCGCCGGCAGGGGCGT  
 TCCCGGGCGCGCGGGCGATGAAGCACCTGAAGCGTGGTGGTGGCGCGCGCGGCGCT  
 CCTGCACCTCACCTCCTGCTGAGCTTGGCGGGGCTCCGCGTAGACCTAGATCTTTACCT  
 GCTGCTGCCGCCACCCTGCTGACAGACGAGCTGCTGTTCCCTGGGCGCCCGGCCAG  
 CTCGCGCTACGCGCTCAGCCCTTCTCGGCCTCGGGAGGGTGGGGCGCGCGGGCCACTT  
 GCACCCCAAGGGCCGGGAGCTGGACCCTGCCGCGCCGCCGAGGGCCAGCTGCTCCGGGA  
 GGTGCGCGGCTCGGGTCCCCTTCGTCCCTCGCACCAGCGTGGATGCATGGTGGTGA  
 CAGCGTGGCTGCCGGGAGCGGGACGAGGCCACGGGCTGCTCGGCGCCGCCCGCCCTC  
 GTCCACCGGAGGACCGGGCGCCAGCGTGGACGGCGGCAGCCAGGCTGTGCAGGGGGCGG  
 CGGGGACCCCGAGCGGCTCGGAGTGGCCCTTGGACGCCGGGAAGAGGAGAAGGCACC  
 CGCGGAACCGACGGCTCAGGTGCCGGACCTGGCGGATGTGCGAGCGAGGAGAATGGGT  
 ACTAAGAGAAAAGCACGAAGCTGTGGATCATAGTCCCAGCATGAGGAAAATGAAGAAA  
 GGTGTCAGCCCAGAAGGAGAACTCACTTCAAGCAGATGATGATGATGAAAACAAAATAGC  
 AGAGAAACCTGACTGGGAGGCAGAAAAGACCACTGAATCTAGAAATGAGAGACATCTGAA  
 TGGGACAGATACTTTCTCTCTGGAAGACTTATCCAGTTGCTTTCATCACAGCCTGA  
 AAATCACTGGAGGCATCTCATTGGGAGATATCTTCTTCCAGGCAGTATCAGTGATGG  
 CATGAATCTTTCAGCACATTATCATGTAACCTTCCAGCAGGCTATAAGTCAGGATGTGAA  
 TCTTCATGAGGCCATCTGCTTTGTCCCAACAATACATTTAGAAGAGATCCAACAGCAAG  
 GACTTCCAGTCAACAAGAACCATTCTGCAGTAAATTTTCATACCACCAATCCTGAGCA  
 AACCTTCTGGAACATAATTTGACAGGATTTCTTACCAGTTGACAATCATATGAGGAA  
 TCTAACAAGCAAGACCTACTGTATGACCTTGACATAAATATATTTGATGAGATAAACTT  
 AATGTCATTGGCCACAGAAGACAACCTTGTATCCAAATCGATGTTTCTCAGCTTTTTGATGA  
 ACCAGATTCTGATTCTGGCCTTTCTTTAGATTCAAGTCACAATAATACCTCTGTCATCAA  
 GTCTAATCTCTCACTCTGTGTGTGATGAAGGTGCTATAGGTTATTGCACTGACCATGA  
 ATCTAGTTCATCATGACTTAGAAGGTGCTGTAGGTGGCTACTACCCAGAACCCAGTAA  
 GCTTTGCACTTGGATCAAAGTATTCTGATTTCCATGGAGATCTTACATTTCAACACGT  
 ATTTTCATAACCACACTTACCCTTACAGCCAACCTGCACCAGAATCTACTTCTGAACCTTT  
 TCCGTGGCCTGGGAAGTACAGAAGATAAGGAGTATGATACCTTGAAGACACAGATAGAAA  
 CTTGAGCCGTGATGAACAGCGTGTAAAGCTTTGCATATCCCTTTTTCTGTAGATGAAAT  
 TGTCCGCATGCCTGTTGATTCTTTCAATAGCATGTTAAGTAGATATTATCTGACAGACCT  
 ACAAGTCTCACTTATCCGTGACATCAGACGAAGAGGGAAAAATAAAGTTGCTGCGCAGAA  
 CTGTGCTAAACGCAAATTTGACATAATTTTGAATTTAGAAGATGATGTATGTAACCTGCA  
 AGCAAAGAAGGAACTCTAAGAGAGAGCAAGCACAATGTAACAAAGCTATTAACATAAT  
 GAAACAGAAACTGCATGACCTTTATCATGATATTTTATGATGATTAAGAGATGACCAAGG  
 TAGGCCAGTCAATCCCAACCCTATGCTCTCCAGTGTACCCATGATGGAAGTATCTTGTAT  
 AGTACCCAAAGAAGTGGTGGCCTCAGGCCACAAAAGGAAACCCAAAAGGAAAGAGAAA  
 GTGAGAAGAACTGAAGATGGACTCTATTATGTGAAGTAGTAATGTTTCAGAACTGATTA  
 TTTGGATCAGAAACCTTGAAGCTGCTTCAAGAATTGTATCTTTAAGTACTGCTACTTGA  
 ATAACCTCAGTTAACGCTGTTTTGAAGCTTACATGGACAAATGTTTAGGACTTCAAGATCA  
 CACTTGTGGGCAATCTGGGGGAGCCACAACCTTTTCATGAAGTGCATTGTATACAAAATTC  
 ATAGTTATGTCCAAAGAATAGGTTAACATGAAAACCCAGTAAGACTTTCCATCTTGGCAG  
 CCATCCTTTTTAAGAGTAAGTTGGTACTTCAAAAAGAGCAAACACTGGGGATCAAATTA  
 TTTAAGAGGTATTTTCAAGTTTAAATGCAAAATAGCCTTATTTTCAATTTAGTTTGTAGC  
 ACTATAGTGAAGCTTTTCAACACTATTTTAAATCTTTATATTTAACTTATAAATTTTGCTT  
 TCTATGGAATAAATTTTGTATTTGTATAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

<b>ACCN:</b>	NM_004289
<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_004289.5</a> , <a href="#">NP_004280.4</a>
<b>RefSeq Size:</b>	2864 bp
<b>RefSeq ORF:</b>	2085 bp
<b>Locus ID:</b>	9603
<b>UniProt ID:</b>	<a href="#">Q9Y4A8</a>
<b>Cytogenetics:</b>	7p15.2
<b>Domains:</b>	BRLZ
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the cap 'n' collar basic-region leucine zipper family of transcription factors. The encoded protein heterodimerizes with small musculoaponeurotic fibrosarcoma factors to bind antioxidant response elements in target genes. This protein is a membrane bound glycoprotein that is targeted to the endoplasmic reticulum and the nuclear envelope. Pseudogenes of this gene are found on chromosomes 16, 17, and 18. [provided by RefSeq, Mar 2009]