

Product datasheet for **SC108099**

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:	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_004289, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCACCTGAAGCGGTGGTGGTCGGCCGGCGGGCCCTCTGCACCTCACCTCCTGCTGAGCTTGG
CGGGGCTCCGCGTAGACCTAGATCTTTACCTGCTGCTGCCGCCGCCACCCTGCTGCAGGACGAGCTGCT
GTTCTGGGCGGCCCGCCAGCTCCGCTACGCGCTCAGCCCCTTCTCGGCCTCGGGAGGGTGGGGGCGC
GCGGGCCACTTGACACCCCAAGGGCCGGGAGCTGGACCCTGCCGCCGCCCGAGGGCCAGCTGCTCCGGG
AGGTGCGCGCGCTCGGGGTCCTTTCGTCCTCGCACCAGCGTGGATGCATGGCTGGTGCACAGCGTGGC
TGCCGGGAGCGCGGACGAGGCCACGGGCTGCTCGGCGCCGCCGCCCTCGTCCACCGAGGAGCCGGC
GCCAGCGTGGACGGCGGACAGCCAGGCTGTGCAGGGGGCGGGGGGACCCCGAGCGGCTCGGAGTGGCC
CCTTGGACGCCGGGAAGAGGAGAAGGCACCCGCGGAACCGACGGCTCAGGTGCCGAGCGTGGCGGATG
TGCAGCGAGGAGAATGGGTAAGAGAAAAGCAGAAAGCTGTGGATCATAGTCCCAGCATGAGGAA
AATGAAGAAAGGGTGTGACCCAGAAAGGAGAAGCTCACTCAGCAGAAATGATGATGAAAAAAAATAG
CAGAGAAACCTGACTGGGAGGCAGAAAAGACCACTGAATCTAGAAATGAGAGACATCTGAATGGGACAGA
TACTTCTTCTCTCTGGAAGACTTATCCAGTTGCTTTCATCACAGCCTGAAAATCACTGGAGGGCAGC
TCATTGGGAGATATTCCTCTCCAGGCAGTATCAGTGTGGCATGAATTCTTCAGCACATTATCATGTAA
ACTTCAGCCAGGCTATAAGTCAGGATGTGAATCTTCATGAGGCCATCTTGCTTTGTCCCAACAATACATT
TAGAAGAGATCCAACAGCAAGGACTTCACAGTCACAAGAACCATTTCTGCAGTAAATTTCTCATACCACC
AATCCTGAGCAAACCTTCTGGAATAATTTGACAGGATTTCTTTCACCGTTGACAATCATATGAGGA
ATCTAACAAAGCCAAGACCTACTGTATGACCTTGACATAAATATATTTGATGAGATAAACTAATGTCATT
GGCCACAGAAGACAACCTTTGATCCAATCGATGTTTCTCAGCTTTTGTGATGAACAGATTCTGATTCTGGC
CTTTCTTTAGATTCAAGTCACAATAACTCTGTGCATCAAGTCAATTCCTCTCACTGTGTGTGATG
AAGGTGCTATAGTTTATTGCACCTGACCATGAATCTAGTCCCATCATGACTTAGAAGGTGCTGTAGTGG
CTACTACCAGAACCCAGTAAGCTTTGCACTTGATCAAAGTATTCTGATTTCCATGGAGATCTTACA
TTTCAACACGTATTTATAACCACACTTACCCTTACAGCCAAGTGCACCAGAATCTACTTCTGAACCTT
TTCCGTGGCCTGGGAAGTCACAGAAGATAAGGAGTAGATACCTTGAAGACACAGATAGAACTTGAGCCG
TGATGAACAGCGTCTAAAGCTTTGCATATCCCTTTTCTGTAGATGAAATGTCGGCATGCCTGTTGAT
TCTTTCAATAGCATGTTAAGTAGATATTATCTGACAGACCTACAAGTCTCACTTATCCGTGACATCAGAC
GAAGAGGGAAAAATAAAGTTGCTGCGCAGAACTGCTGAAACGCAAAATGGACATAATTTTGAATTTAGA
AGATGATGTATGTAACCTGCAAGCAAAGAAGGAACTCTTAAGAGAGAGCAAGCACAATGTAACAAAGCT
ATTAACATAATGAAACAGAACTGCATGACCTTTATCATGATATTTTAGTAGATTAAGAGATGACCAAG
GTAGGCCAGTCAATCCCAACCACTATGCTCTCCAGTGTACCCATGATGGAAGTATCTTGATAGTACCCAA
AGAACTGGTGGCCTCAGGCCACAAAAAGGAAACCCAAAAGGGAAAAGAGAAAGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004289 unedited

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ATTTGTATACGACTCATATAGGCGGCCGCGACATTCGCACGAGGCCCCCGAGCGGCTCGG
AGTGGCCCTTGGACGCCGGGAAGAGGAGAAGGCACCCGCGGAACCGACGGCTCAGGTG
CCGGACGCTGGCGGATGTGCGAGCGAGGAGAATGGGTAAGAAAAAGCACGAAGCT
GTGGATCATAGTCCCAGCATGAGGAAAATGAAGAAAGGGTGTGACCCAGAAAGGAGAAC
TCACTTCAGCAGAAATGATGATGATGAAAACAAAATAGCAGAGAAACCTGACTGGGAGGCA
GAAAAGACCACTGAATCTAGAAATGAGAGACATCTGAATGGGACAGATACTTCTTCTCT
CTGGAAGACTTATCCAGTTGCTTTCATCACAGCCTGAAAATCACTGGAGGGCATCTCA
TTGGGAGATATTCCTCTCCAGGCAGTACCAGTGTGGCATGAATCTTCAGCACATTAT
CATGTAACCTTACGCCAGGCTATAAGTCAGGATGTGAATCTTCATGAGGCCATCTTGCTT
TGTCCTCAACAATACATTTAGAAGAGATCCAACAGCAAGGACTTCACAGTCACAAGAACCA
TTTCTGCAGTTAAATTTCTCATACCACCAATCCTGAGCAAACCTTCTGGAATAATTTG
ACAGGATTTCTTTCACCGTTGACAATCATATGANGAATCTAACAGCCAAGACCTACTGT
ATGACCTTGACATNATATATTTGATGAGATAACTTAATGTCATTGGCCACAGAAGACAAC
TTTGATCCCAATCGATGTTCTCAGCTTTTGTGATGAACAGATTCTGATTCTGNNCTTTC
TTTAAATTCAGTCACATAAATACTCTGCATCAGTCTAATA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004289 unedited CTAGCTCTGAACCGCGGCACGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTATACAA ATACAAAATTTATTTCCATAGAAAGCAAATTTATAAGTTAAATATAAAGATTAATAAG TGTTTGAAAAGCTCACTATAGTGCTAACAACTAAATGAAAATAAGGCTATTTTGCAATTT AAAAGTAAATACCTCTTAAAAATAATTTGATCCCCAGTGTGGCTCTTTTGAAGTAACC AACTTACTCTTAAAAAGGATGGCTGCCAAGATGGAAAGTCTTACTGGGTTTTTCATGTTAA CCTATTCTTTGGACATAACTATGAATTTTGTATACAATGCACCTCATGAAAAGTTGTGGC TCCCCCAGATTGCCACAAGTGTGATCTTGAAGTCTAAACATTTGTCCATGTAAGCTTC AAAACAGCGTTAACTGAGTTATTCAAGTACCAGTACTTAAAGATACAATTCTGAACCA CTCCAATGGTTTCTGATCCAATAATCACGTTCTGAACATTACTACTTTACATAATATAT TCCCTCTTCAGATTCTACTTACTTTCTTTCTTCTTACTGGAATATCTTTTCGTGGCCTGA GACCTCATATCTTTTGTCTTCCCCCATCCGCCCTTCCGCCCCCGCTTGTCTACTCC CCCCCGTTAACTGCCACCCTTTCTTCTTATCGTGTATTTCCACCCTTCCACCACC TCCCGCCACCCCTATTTAGTTACTTCTCGAACCCGACACTCCACTCTCCTCCCATCGC TTCTGCTTTTCTTACCTCGTTTAAACGAACCTACCACCCTTACCCTTCCACACTCCTC CCGCCCCCCACACCACCATTCCTCCACACTCTTGATTCCCTGTTCTCACCCCCCTCT TTCCCTTGACACAATTTCCCTCAGCTACTATTATCGTACACCCCAACC
Restriction Sites:	NotI-NotI
ACCN:	NM_004289
Insert Size:	2490 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_004289.3 , NP_004280.2
RefSeq Size:	3720 bp
RefSeq ORF:	3720 bp
Locus ID:	9603
UniProt ID:	Q9Y4A8
Cytogenetics:	7p15.2
Domains:	BRLZ

Protein Families: Transcription Factors, Transmembrane

Gene Summary: 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]