

## Product datasheet for **RN208510**

### **Nfe2l2 (NM\_031789) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfe2l2 (NM_031789) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfe2l2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN208510 representing NM\_031789  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGACTTGGAAATGCCACCGCCAGGACTACAGTCCCAGCAGGACATGGATTTGATTGACATCCTTT  
 GGAGGCAAGACATAGATCTTGGGGTAAGTCGAGAAGTGTGGACTTTAGTCAGCGACAGAAGGATTATGA  
 GCTGGAACAAACAGAAAACTCGAAAAGGAGAGACAAGAGCAACTCCAGAAGGAACAGGAGAAGGCCTTT  
 TTCGCTCAGTTACAACCTGGATGAAGAGACCGGAGAATTCCTCCAATTCAGCCAGCCAGCACATCCAGA  
 CAGACACCAGTGGATCTGTCAGTACTCCAGGTTGCCACATTCCTCAACAAGATGCCTTGTACTTTGA  
 AGACTGTATGCAGCTTTTGGCAGAGACATTCCTTTGTAGATGACCATGAGTCGCTTGCCTGGATATT  
 CCCAGCCAGTGGAGAGCTCAGTCTTACCACCCCTGATCAGGCTCAGTCACTCGATAGCTCTGGAGA  
 CGGCCATGACTGATTTAAGCAGCATAACAGCAGGACATGGAGCAAGTTTGGCAGGAGCTATTTCCATTCC  
 CGATTACAGTGTCTTAATACGGAACAAAGCAGCAGGCTGAGACTACCACTGTCCCAGCCAGAGGCC  
 AACTGACAGAGATGGACAGCAATTACCAATTTTACTCATCGATCCCCTACTGGAAAAAGAAAGTGACA  
 GCTGTAGTCCACATTTCTTTCATGGTTTTGAGGATTCTTTTAGCAGCATCTCTCCACGGATGATGCCAG  
 CCAGCTGAACTCCTTAGACTCAAATCCCACCTTGAACACAGATTTCCGGTATGAATTTTACTCTGCTTTC  
 CTAGCAGAGCCCAGTGGCGGTGGCAGCATGCCTTCTCTGCTGCCATTAGTCAGTCGCTCTCTGAACTTC  
 TGGGCGGGCCATTGAGGGCTGTGATCTGTCCCTGTGTAAGCTTTCAACCAGAAGCACACTGAAGGCAC  
 GGTGGAGTTCAATGACTCTGACTCCGGCATTCTACTGAACACAAGTCCCAGCCGAGCATCCCCAGAGCAC  
 TCTGTGGAGTCTTCCATTTACGGAGACCCACCGCTGGGTTTCAAGTACTCGGAAATGGAAGAGCTAGACA  
 GTGCCCCGGAAGTGTCAAACAGAATGGACCTAAAGCACAGCAACACATTCTTCTGGGATACAGTACA  
 GCCTCTGTGCGCCAGCTCAAGGGCACAGTGTGCTGTGCACGAATCCCAGTGTGAAAATACAACAAAAAAA  
 GAAGTACCTGTGAGTCTGGTTCATCAAAAAGTCCCATTCACAAAAGACAAACATTCAAGCCGATTAGAGG  
 CTCATCTCACAAGAGATGAGCTTAGGGCAAAAGCTCTCCATATTCATTCCCTGTTGAAAAAATCATTAA  
 TCTCCCTGTTGATGACTTCAATGAAATGATGTCCAAGGAGCAATTCACGAAGCTCAGCTTGCAATTAAT  
 CGAGATATACGCAGGAGAGGGAAGAATAAAGTTGCCGCTCAGAACTGTAGGAAAAGGAGCTGGAAAAACA  
 TTGTAGAGCTGGAGCAAGACTTTGGGCCACTTAAAAGACGAGAGAGAAAACTACTCAGAGAAAAGGGAGA  
 AAACGACAGAAACCTCCATCTTCTGAAAAGAAAACCTCAGCACTTTGTATCTGGAAGTCTTCAGCATGTTA  
 CGTGATGAGGATGGGAAACCTTACTCTCCAGTGAGTACTCTCTGCAGCAGACCAGAGATGGCACGTGT  
 TCCTTGTTCCTCAAGAGCAAGAAGCCAGATACAAAGAAAAACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3662\\_g07.zip](https://cdn.origene.com/chromatograms/ja3662_g07.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031789

**Insert Size:** 1794 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:**

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\\_031789.2](#), [NP\\_113977.1](#)

**RefSeq Size:** 2305 bp

**RefSeq ORF:** 1794 bp

**Locus ID:** 83619

**UniProt ID:** [O54968](#)

**Cytogenetics:** 3q23

**Gene Summary:** a basic leucine zipper transcription factor; involved in activating expression of genes with an antioxidant response element (ARE) [RGD, Feb 2006]