

Product datasheet for **MC220967**

Nfe2l1 (NM_001130452) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfe2l1 (NM_001130452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfe2l1
Synonyms:	AA408798; AW212678; LCR-F1; Lcrf1; NRF1; TCF-11; TCF11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220967 representing NM_001130452
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCATCATGGAATGCAGGCTATGGAAGTAAATACATCAGCAAGTGAGATTCTGTACAATGCCCTC
 CTGGAGACCCTCTTAGCACCAACTACAGCCTTGACCCAACTCCCATCAATCAGAATGTCAGCCTGCA
 TCAGGCGTCCCTGGGGGCTGCAGTCAGGACTTCTCCCTCTTCAGCCCGAGGTGGAGAGCCTGCCTGTG
 GCTAGCAGCTCCACACTGCTTCCACTCGTCCCCAGCAACTCCACCAGTCTCAACTCCACCTTTGGCTCTA
 CCAACCTAGCAGGGCTTTTCTTTCCATCCAGCTCAATGGCACAGCCAATGACACATCAGGCCCTGAGCT
 ACCTGACCCCTTGGGGGCTGTAGACGAAGCTATGCTGGATGAGATCAGCCTGATGGACTGGCCATT
 GAGGAGGGCTTCAACCCGGTGCAGGCTCCAGCTCGAAGAGGAGTTTGACTCTGACTCAGGCTCTCCT
 TGGACTCCAGCCATAGCCCTTCTCTGAGCAGCTCTGAAGGGAGCTTCTTCTTCTCTCTCTCTCTCT
 TTCTCTTCTGCTTCTCTCTGCTTCTTCTTCTCTGAGGAGGGTCTGTTGGTTACAGCTCTGAC
 TCTGAGACCCTAGACCTAGAAGAGGCTGAGGGTGCAGTGGGTACCGCCGGAATACTCCAAGTTCTGCC
 GCATGAGCTATCAGGATCCTTCTCAGCTCTTGCCTTCCCTACTTAGAGCATGTGGGCCACAATCATA
 ATACAATATGGCACCCAGTGCCTTGACTCTGCTGATCTACCACCACCCAGCACCCTCAAGAAAGGTAGC
 AAGGAAAAGCAGGCTGACTTCTGGACAAGCAGATGAGCCGAGATGAGCACAGAGCCCGAGCCATGAAGA
 TCCCATTCACCAATGACAAGATCATCAACTGCCTGTAGAAGAATTCAATGAGCTGCTGTCCAAATACCA
 GCTGAGCGAGGCCAGCTCAGCCTCATCCGGGATATCCGGCGCCGGGGCAAAAACAAGATGGCTGCACAG
 AACTGCCGCAAGCGCAAGTTGGACACCATCCTAAACCTAGAACGTGATGTGGAGGACTTGCAGCGAGATA
 AGCCCCGATTGCTTCGAGAAAAGGTAGAGTTCTTCCGGTCTCTGCGACAGATGAAGCAGAAGGTCCAAAG
 CTATACAGGAGGTGTTTGGGGCGCTGCGGGATGAGCATGGGAGGCCCTACTCACCCAGTCAGTATGCC
 CTTCAAGTATGCTGGGATGGCAGTGTCTCTCCTCATTCTCGCACGATGGCTGACCAGCAGGCTCGGCGAC
 AGGAGAGAAAAGCCAAAGGACCGGAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001130452

Insert Size: 1362 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:

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_001130452.1](#), [NP_001123924.1](#)

RefSeq Size: 3497 bp

RefSeq ORF: 1362 bp

Locus ID: 18023

Cytogenetics: 11 60.12 cM

Gene Summary: This gene encodes a protein that is involved in globin gene expression in erythrocytes. Confusion has occurred in bibliographic databases from the use of NRF1 for this gene, NFE2L1, and for "nuclear respiratory factor 1" which has an official symbol of NRF1. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (6) has multiple differences in the 5' UTR and 5' coding region which cause translation initiation to occur at a downstream in-frame ATG, compared to variant 1. The encoded protein (isoform 2) has a shorter N-terminus, compared to isoform 1. Variants 2 and 6 encode the same isoform.