

Product datasheet for **MG226831**

Nfe2l1 (NM_001130450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfe2l1 (NM_001130450) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfe2l1
Synonyms:	AA408798; AW212678; LCR-F1; Lcrf1; NRF1; TCF-11; TCF11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG226831 representing NM_001130450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTTCTCTGAAGAAATATTTAACGGAAGGACTTCTCCAGTTCACCATCCTGCTGAGTCTGATTGGGG
 TTCGGGTGGACGTGGATACTTACCTGACCTCACAGCTCCCCCTCTCCGGGAGATCATCCTGGGGCCAG
 CTCTGCCTATACCCAGACCCAGTTCACAACTGAGGAATACCTTGATGGCTATGGGATCCACCCCAAG
 AGCATAGACCTGGACAATTACTTCACTGCCCGCGGCTCCTTAGTCAGGTGAGGGCCCTGGATAGTTCC
 AGGTGCCACCTGAGGTCAATGCTTGGCTGGTCCACCGAGACCCGGAGGGTCTGTCTCTGCCAGCCA
 GCCCAACTCAGGCCTCGCCCTCGAGAGTTCAGTGGCCTCCAAGATGTGACAGGCCAGACAACGGGGT
 AGAGAAAGCGAAACGGAGCAGGGATTCCGTGAAGATTTGGAGACCTGGGGGCTGTAGCCCTCTGTCA
 GTGGAGACTTAACCAAAGAGGATATAGATCTGATTGACATCCTTTGGCGACAGGATATTGATCTGGGGC
 TGGCGTGAAGTTTTTACTACAGTCATCGCCAGAAGGAGCAGGATGTGGATAAGGAACTGCAAGATGGA
 CGAGAACGAGAGGACACCTGGTCAGGCGAGGGTCCGGAAGCTCTGGCCGAGACCTGCTAGTAGATGGAG
 AGACTGGGGAGAGCTTCCTGCACAGTCCCAGCTGACGTTTCCAGCATCCAGAAAGCAGTGCCTAGTGA
 GAGTGAGTCCCCCGCCCTCAGAACAGCCTTCTATCTCCTCTTCTGACGGGGACAGAATCACCATTTGAT
 TTGGAACAGCAGTGGCAAGATCTCATGTCCATCATGGAATGCAGGCTATGGAAGTAAATACATCAGCAA
 GTGAGATTCTGTACAATGCCCTCTGGAGACCCTTAGCACCACCTACAGCCTTGACCCCAACTCC
 CATCAATCAGAAATGTCAGCCTGCATCAGGCGTCCCTGGGGGCTGCAGTCAGGACTTCTCCCTCTCAGC
 CCCGAGGTGGAGAGCCTGCCTGTGGCTAGCAGCTCCACTGCTTCCACTCGTCCCAGCAACTCCACCA
 GTCTCAACTCCACTTTGGCTCTACCACTAGCAGGGCTTTTCTTCCATCCCAGCTCAATGGCAGAG
 CAATGACACATCAGGCCCTGAGCTACCTGACCCCTTGGGGGCTGTAGACGAAGCTATGCTGGATGAG
 ATCAGCCTGATGGACCTGGCCATTGAGGAGGGTTCACCCGGTGCAGGCTTCCCAGCTCGAAGAGGAGT
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 CTCTTCTCTTCTCCTCCTCTTCTTCTTCTGCTTCTCCTCTGCCTTCTTCTCTGAGGAG
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 CCCAGCACCTCAAGAAAGGTAGCAAGGAAAAGCAGGCTGACTTCTGGACAAGCAGATGAGCCGAGATG
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 CAATGAGCTGCTGTCAAATACCAGCTGAGCGAGGCCAGCTCAGCCTCATCCGGGATATCCGGCGCCGG
 GGCAAAAACAAGATGGCTGCACAGAAGTCCCGCAAGCGCAAGTTGGACCCATCCTAAACCTAGAACGTG
 ATGTGGAGGACTTGCAGCGAGATAAGGCCCGATTGCTTCGAGAAAAGGTAGAGTTCCTTCGGTCTCTGCG
 ACAGATGAAGCAGAAGGTCAAAGCTTATACCAGGAGGTGTTGGGGCGCTGCGGATGAGCATGGGAGG
 CCCTACTACCCAGTCAGTATGCCCTTCAATGCTGGGGATGGCAGTGTCTCCTCATTCTCGCACGA
 TGGCTGACCAGCAGGCTCGGCGACAGGAGAGAAAGCCAAAGGACCGGAGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226831 representing NM_001130450
Red=Cloning site Green=Tags(s)

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MLSLKKYLTEGLLQFTILLSLIGVRVDVDTYLTSQLPPLREIILGPSSAYTQTQFHNLNRTL DGYGIHPK
SIDLDNYFTARRLLSQVRALDRFQVPTTEVNAWLVHRDPEGSVSGSQPNGLALESSGLQDVTGPDNGV
RESETEQGFGEDLEDLGA VAPPVSGDLTKEDIDLIDILWRQDIDLGAGREVF DYSHRQKEQDVDELQDG
REREDTWSGEGAEALARDLLVDGETGESFPAQFPADVSSIPEAVPSESESPALQNSLLSPLLTGTESPFD
LEQQWQDLMSIMEMQAMEVNTSASEILYNAPPGDPLSTNYSLAPNTPINQNVSLHQASLGGCSQDFSLFS
PEVESLPVASSSTLLPLVPSNSTSLNSTFGSTNLAGLFFPSQLNGTANDTSGPELPDPLGGLLDEAMLDE
ISLMDLAIIEEGFPVQASQLEEEFDSDSGLSLDSSHSPSSLSSSEGSSSSSSSSSSSASSASSSSFFSEE
GAVGYSSDSETLDLEEAEGAVGYQPEYSKFCRMSYQDPSQLSCLPYLEHVGHNHTYNMAPSALDSADLPP
PSTLKKGSKEKQADFLDKQMSRDEHRARAMKIPFTNDKIINLPVEEFNELL SKYQLSEAQLSLIRDIRRR
GKNKMAAQNCRKRKLDLILNLERDVEDLQRDKARLLREKVEFLRSLRQMKQKVQSLYQEVFGRLRDEHGR
PSPSQYALQYAGDGSVLLIPRTMADQQARRQERKPKDRRK
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130450

ORF Size: 2223 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001130450.1](#), [NP_001123922.1](#)

RefSeq Size: 4596 bp

RefSeq ORF: 2226 bp

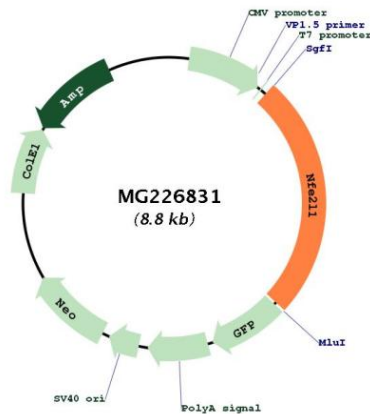
Locus ID: 18023

UniProt ID: [Q61985](#)

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]

Product images:



Circular map for MG226831