

## Product datasheet for **RR214342**

### **Nfe2l1 (NM\_001108293) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nfe2l1 (NM\_001108293) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nfe2l1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214342 representing NM\_001108293  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGTGAATACGTCAGCAAGTGAATTTCTGTACAGTGCCTCTGGAGACCTCTTACCACCAACT  
ACAGCCTTGCTCCCAACTCCTATCAATCAGAATGTCAGCCTGCATCAGGCCTCCCTGGGGGCTGCAG  
TCAGGACTTTTCCCTCTCAGCCCCGAGGTGGAGAGCCTGCCTGTGGCCAGCAGCTCTACTGCTTCCA  
CTCGTCCCCAGCAACTCCACCAGTCTCAACTCCACCTTTGGCTCTACCAACCTAGCAGGGCTTTTCTTTC  
CATCCCAGCTCAATGGCACCGCCAATGATACATCAGGCCCTGAGCTGCCTGATCCCTTGGGGCCTGTT  
AGACGAGGCCATGCTGGATGAGATCAGCCTGATGGACCTGGCCATTGAGGAGGGCTTCAACCCGGGGCAG  
GCCTCCCAGCTCGAGGAGGATTCGACTCTGACTCTGGCCTCTCCCTGGACTCCAGCCATAGCCCTTCT  
CTCTGAGCAGCTCTGAAGGGAGCTCTTCTTCTTCTTCTTCTTCTTCTGCTTCTCTCTGCCTTTC  
TTCCTTCTGAGGAGGGTGTGTTGGTTACAGCTCTGACTCTGAGACCCTAGATCTAGAAGAGGCTGAG  
GGTGCAGTGGGTACCAGCCAGAATACTCCAAGTTCTGCCGATGAGCTATCAGGATCCTTCTCAGCTCT  
CTTGCCTTCCCTACTTAGAGCATGTGGCCACAATCACACGTACAATATGGCACCCAGTGCCTTGACTC  
TGCTGATCTACCACCACCAGCACCCCTCAAGAAAGGTAGCAAGGAAAAGCAGGCTGACTTCTGGACAAG  
CAGATGAGCAGAGATGAGCACAGAGCCCAGCCATGAAGATCCCATTTACCAATGACAAAATCATCAACC  
TGCTGTAGAAGAATTCAATGAGCTGCTGTCCAAATACCAGTTGAGCGAGGCCAGCTGAGCCTCATCAG  
GGATATCCGGCGCCGGGGCAAAAACAAGATGGCTGCACAGAAGTCCCGCAAGCGCAAGTTGGACACCATC  
CTGAACCTAGAACGTGATGTGGAGGACTTGACGCGAGATAAGGCCGATTGCTCCGAGAAAAGCAGGAAA  
TTTACAGGACCGTACTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214342 representing NM\_001108293  
 Red=Cloning site Green=Tags(s)

MEVNTSASEILYSAPPGDPLTTNYS LAPNTPINQVNSLHQASLGGCSQDFSLFSPEVESLPVASSSTLLP  
 LVPSNSTSLNSTFGSTNLAGLFFPSQLNGTANDTSGPELPDPLGGLLDEAMLDEISLMDLAIIEEGFNPGQ  
 ASQLEEEFDSDSLSDSSHSPSSLSSSEGSSSSSSSSSASSASSSSSEEGAVGYSSDSETLDLEEAE  
 GAVGYQPEYSKFCRMSYQDPSQLSCLPYLEHVGHNHHTYNNMAPSALDSADLPPPSTLKKGSKEKQADFLDK  
 QMSRDEHRARAMKIPFTNDKIINLPVEEFNELL SKYQLSEAQLSLIRDIRRRGKNKMAAQNCRKRKLDTI  
 LNLERDVEDLQRDKARLLREKQEIYRTVTD

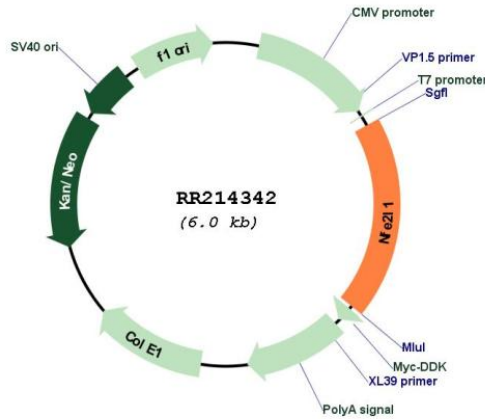
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108293

<b>ORF Size:</b>	1140 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001108293.1</a>, <a href="#">NP_001101763.1</a></u>
<b>RefSeq Size:</b>	1358 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	360610
<b>Cytogenetics:</b>	10q31
<b>MW:</b>	41.2 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein that is involved in globin gene expression in erythrocytes. Confusion has occurred in bibliographic databases for genes in the "nuclear respiratory factor" and "nuclear factor (erythroid-derived 2)" families due to a shared symbol or alias pattern of NRF*. [provided by RefSeq, Jul 2008]</p>