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# Product datasheet for MG216040

## Nlrp4f (NM_175290) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Tag:** | TurboGFP |
| **Symbol:** | Nlrp4f |
| **Synonyms:** | C86045; C330026N02Rik; Nalp-kappa; Nalp4f |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |



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**ORF Nucleotide Sequence:**

>MG216040 representing NM_175290
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCTTTCATTTCAGATTTTGGCCTTATATGGTATTTGAGAGAACTAAATAAGAAGGAATTCATGA
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TGGAATGGGATTTAACCAAACAGGAATCAGAGCTGTGTGATGACTGCATGGAGAAGCAGCCAGTGAGTAC
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CTTAAAGGATCTACAGTTGGAAGCCTGTGAAATAACTGATGCCAGTAATGAGGAGCTTTGTTATGCTTTT
ATGCAGTGTGAGACCCTGCAGACGCTCAACCTCATGGGGAATGCCTTCGAAGTCAGTAGAATGGTTTTCT
TTCCCAGGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG216040 representing NM_175290
Red=Cloning site Green=Tags(s)

MASFISDFGLIWYLRELNKKEFMKFKDFLIQEILELKLKQVSSTKVKKASREDLANLLLKCGENQAWDMT
FRILQKINRKDLTERATGAIVGNPNLYRDHLKKKLTHDCPKKFNVRIQDFIKETFIQNDYDAFENLLISK
GTERKPHMVFLKGMAGVGKTLMLKNLMLAWSKGLVFQNKFSYAFYFCCQDVKQLKTASLAELISREWPSP
SAPIEEILSQPEKLLFIIDSLEGMEWDLTKQESELCDDCMEKQPVSTLLSSLLRRKMLPESSLLLSTTPE
TFEKMEDRIQCTDVKTATAFDERSMKIYFHRLFQDRKRAQEAFSLVRENKQLFTICQVPLLCWMVATCLK
EEIEKGGDPVSLCRRTTSLYTTHIFSLFIPQSAQYPSKKSQDQLQGLCSLAAEGMWTDTFVFGKEALRRN
GIFDSDIPTLLDIGMLGKIREFENSYIFLHPSVQEVCAAIFYMLKRHVEHPSQDVKNIETVLFMFLKKVK
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RSKDIQELRIKDTNFNEPAIRVLYESLKYPSFTLNKLVANNVSFGDNHVLFELIQNSSLQYLDLSCSFLS
HNEVKLLCDILNQAECNIEKLMIAHCKLSPDDCKIFGSILMSSKSLKVLNLASNNLNQGISSLCKALCHP
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ITERGCQDLAEVLKNNQNLKYLHVSYNKLKDTGVMLLCDAIKHPNCHLKDLQLEACEITDASNEELCYAF
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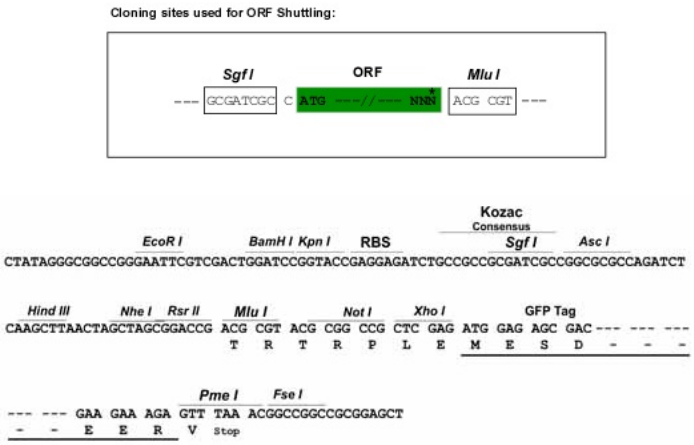
TRTRPLE - GFP Tag - V

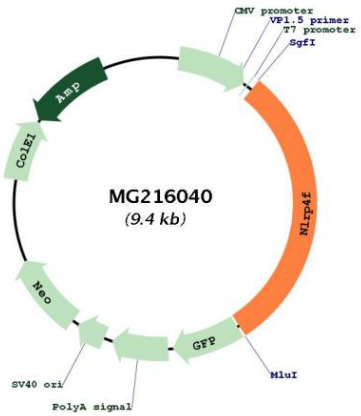
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



| | |
|---|---|
| **ACCN:** | NM_175290 |
| **ORF Size:** | 2811 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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. |
| **Note:** | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| **RefSeq:** | NM_175290.4, NP_780499.3 |
| **RefSeq Size:** | 3527 bp |
| **RefSeq ORF:** | 2814 bp |
| **Locus ID:** | 97895 |
| **Cytogenetics:** | 13 B3 |

**Product images:**




Circular map for MG216040