

## Product datasheet for **RR216248**

### **Egfl8 (NM\_001165880) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Egfl8 (NM\_001165880) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Egfl8  
 Synonyms: Ng3  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR216248 representing NM\_001165880  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCCCTGGGCTGGGTGCTGCATTTTCTACGAGGATTCTCATTCTCCTGGTACTGATGACAGAAG  
 GGGCCAAAGGAGGACCTTCAAAGAAAGTTGGGAGTGTGCTCCAAGCAGACGCTGCTGGTTCCACTCCG  
 TTACAATGAGTCCTACAGTCAACCAGTGTACAGACCCTACCTGACCCTGTGTGCTGGAAGGCGCATATGT  
 AGCACCTACAGGACCACGTACCGGTGGCTGGAGGGAAGTGAGGCGGGAGGTACAGCAGACACATGTGG  
 TGTGCTGCCAGGGCTGGAAGAAGCCACACCCAGGAGCTCTCACCTGTGAAGCCATCTGCTCTAAGCCTTG  
 TCTTAATGGAGGTGTGTGCGCCGACCGGACCAGTGCAGTGTGCCTCAGGCTGGGAGGGAAGCACTGC  
 CACGTGGATGTGGATGAATGCAGGACCAGCCTTACCCTCTGCTCTCATGGCTGTCTCAACACGCTGGGCA  
 GCTTACCTGCAGCTGTCCGAACCCCTGGTGTGGGGCCGATGGACGCGCCTGTGCAGGGGGCCCTCC  
 GGAGTCTCGACGAGTGTGGCATCCTCAGTGTGGCAGTTCGGGAAGCAGACAGCGAGGAGCATGCCCTG  
 AGGCGGGAGGTTGCAGAGCTTCGTGGGCGTCTAGAGAGGCTGGAGCAGTGGGCCACACAGGCTGGGGCCT  
 GGGTTCGAGCAGTGTGCCGGTGGCCCCGAAGACCTGCGGCCTGAACAGGTGGCTGAACCTTTGGGGCCG  
 GGGTGACAGGATCGATCCCTCAGTGACCAGGTGCTGCTACTGGAGGAAAGGCTGGGTGCCTGTGAGTCC  
 CCCGCTCCTCTCCA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216248 representing NM\_001165880  
Red=Cloning site Green=Tags(s)

MEPWAGCCIFLRGFSFLLVLMTEGAKGGPFKESLGVCSKQTLVPLRYNESYSQPVYRPYLTL CAGRRIC  
 STYRTTYRVAVREVRREVQQTHVCCQGWKKPHPGALTCEAICSKPCLNGGVCAGPDQCECASGWAGKHC  
 HVDVDECRSLTLCSHGCLNTLGSFTCSCPNPLVLGPDGRACAGGPESSTSAGILSVAVREADSEEHAL  
 RREVAELRGRLEQWATQAGAWVRVLPVAPEDLRPEQVAELWGRGDRIESLSDQVLLLEERLGACES  
 PAPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001165880

**ORF Size:** 855 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\\_001165880.1](#), [NP\\_001159352.1](#)

**RefSeq Size:** 1400 bp

**RefSeq ORF:** 858 bp

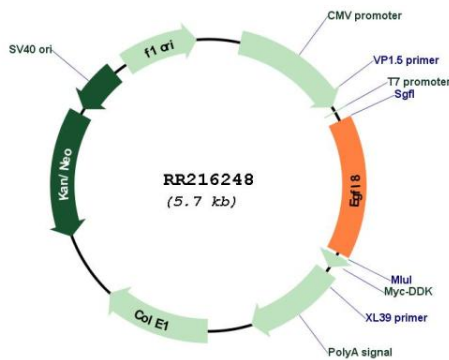
**Locus ID:** 406166

**UniProt ID:** [Q6MG84](#)

**Cytogenetics:** 20p12

**MW:** 31.1 kDa

**Product images:**



Circular map for RR216248