

## Product datasheet for **RR206803**

### Egfl8 (NM\_001004070) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Egfl8 (NM_001004070) 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:	>RR206803 representing NM_001004070 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCCTGGGCTGGGTGCTGCATTTTCTACGAGGATTCTCATTCTCCTGGTACTGATGACAGAAG  
GGGCCAAAGGAGGACCTTCAAAGAAAGTTGGGAGTGTGCTCCAAGCAGACGCTGCTGGTTCCACTCCG  
TTACAATGAGTCCTACAGTCAACCAAGTGTACAGACCTACCTGACCCTGTGTGCTGGAAGGCGCATATGT  
AGCACCTACAGGACCACGTACCGGTGGCTGGAGGGAAGTGAGGCGGGAGGTACAGCAGACACATGTGG  
TGTGCTGCCAGGGCTGGAAGAAGCCACACCCAGGAGCTCTCACCTGTGAAGCCATCTGCTCTAAGCCTTG  
TCTTAATGGAGGTGTGTGCGCCGACCGGACCAGTGCAGTGTGCCTCAGGCTGGGCAGGGAAGCACTGC  
CACGTGGATGTGGATGAATGCAGGACCAGCCTTACCCTCTGCTCTCATGGCTGTCTCAACACGCTGGGCA  
GCTTACCTGCAGCTGTCCGAACCCCTGGTGTGGGGCCGATGGACGCGCCTGTGCAGGGGGCCCTCC  
GGAGTCTCGACGAGTGTGGCATCCTCAGTGTGGCAGTTCGGGAAGCAGACAGCGAGGAGCATGCCCTG  
AGGCGGGAGGTTGCAGAGCTTCGTGGGCGTCTAGAGAGGCTGGAGCAGTGGGCCACACAGGCTGGGGCCT  
GGGTTTCGAGCAGTGTGCCGGTGGCCCCGAAGACCTGCGGCCTGAACAGGTGGCTGAACCTTTGGGGCCG  
GGGTGACAGGATCGAGTCCCTCAGTGACCAGGTGCTGCTACTGGAGGAAAGGCTGGGTGCCTGTTCTCTGT  
GAGGACAACAGCCTGGGCCAGGCTCCATGGA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206803 representing NM\_001004070  
Red=Cloning site Green=Tags(s)

MEPWAGCCIFLRGFSFLLVLMTEGAKGGPFKESLGVCSKQTLVPLRYNESYSQPVYRPYLTL CAGRRIC  
 STYRTTYRVAVREVRREVQQTHVCCQGWKKPHPGALTCEAICSKPCLNGGVCAGPDQCECASGWAGKHC  
 HVDVDECRSLTLC SHGCLNTLGSFTCS CPNPLVLGPDGRACAGGPESSTSAGILSVAVREADSEEHAL  
 RREVAELRGRLERLEQWATQAGAWVRVLPVAPEDLRPEQVAELWGRGDRIESLSDQVLLLEERLGACSC  
 EDNSLGPGLHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001004070

**ORF Size:** 873 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\\_001004070.2](#), [NP\\_001004070.1](#)

**RefSeq Size:** 1078 bp

**RefSeq ORF:** 876 bp

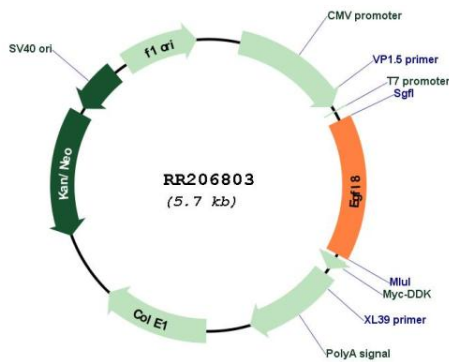
**Locus ID:** 406166

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

**Cytogenetics:** 20p12

**MW:** 31.7 kDa

**Product images:**



Circular map for RR206803