

## Product datasheet for **MG226890**

### **Csf2rb (NM\_007780) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csf2rb (NM_007780) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csf2rb
Synonyms:	AI848964; AIC2B; Bc; CDw131; Csf2rb1; Csfgmrb; Il3r; Il3rb; Il3rb1; Il5rb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG226890 representing NM\_007780  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGACCAGCAAATGGCACTCACATGGGGCTGTGCTACATGGCACTGGTGGCTCTCTGTTGGGGACAGC  
 GGGTGACAGAGGCAGAAGAAACGGTCCCTCTGAAGACTCTGCAGTGCTACAATGACTACACCAACCCACAT  
 CATCTGCAGCTGGCGGCACAGAGGATGCCAGGGGCTAATCAACATGACCCTCTATCACCAGCTAGAG  
 AAAAAACAGCCAGTGTCTGTGAGCTCAGTGAGGAACTCATGTGGTCAGAGTGCCCGTCATCCCACCGCT  
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 AACGTCAGCATCAGCTCCTCTGAGGATCGTTTCTGCTGGAGTGGAGTGTGTCCCTTGGGGATGCCAGG  
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 TGCCACAGTCTCCACTAGCAAATTTCAAGTGAATTTGAGCCAAAGCTATTCCTACCAACAGCATC  
 TATGCTGCCCGTGTGCGCACTCGGCTGTCCCGGGTTCAAGCTTGTCTGGGAGACCCAGCAGATGGAGCC  
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 TAAGCACCTGGAACAAGGGAAGTTCATCATGAGCTATAACCACATCCAGATGGAGCCTCCAACCTCAAC  
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 CCAAGTCTGTGTTCTGAGACTGAGGACCTAGTCCAGGACTTGTCTGTCAAAAAGTTTCCCTATCAGCCCA  
 TGCCCCAGGGCCAGCCATTCAGTTTTTCAAGTCCCTAAAGCATCAGGACTACCTGTCCCTGCCCTTGG  
 GGACAATAGCCAGTCTGGGAAGGTGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG226890 representing NM\_007780  
 Red=Cloning site Green=Tags(s)

MDQQMALTWGLCYMALVALCWGHGVTEAEETVPLKTLQCYNDYTNHIICSWADTEDAQGLINMTLYHQLE  
 KKQPVSCSELSEELMWSECPSSSHRCVPRRCVIPYTRFSITNEDYYSFRPDSLGIQLMVPLAQNVQPPLPK  
 NVSISSEDRFLLEWSVSLGDAQVSWLSSKDIEFEVAYKRLQDSWEDAYSLSKSFQVNFEPKFLFPNSI  
 YAARVTRLSPGSSLGRPSRWSPVEVHWDSQPGDKAQPQNLQCFDGIQSLHCSWEVWTQTTGVSFGLF  
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 LTKNRDSYSLHWETQKMAYSFIEHTFQVQYKKKSDSWEDSKTENLDRAHSMDLSQLEPDTSYCARVRVKP  
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 MCLPPGGQAQLVPLSQVMGQQAMDVQCGSSLETSGSPSVEPKENPPVELSMEEQEARDNPVTLPISSGG  
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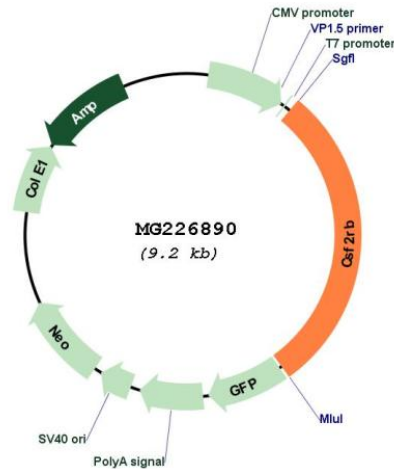
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_007780

**ORF Size:** 2688 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\\_007780.3](#)

**RefSeq Size:** 4776 bp

**RefSeq ORF:** 2691 bp

**Locus ID:** 12983

**UniProt ID:** [P26955](#)

**Cytogenetics:** 15 37.36 cM

**Gene Summary:** High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.[UniProtKB/Swiss-Prot Function]