

## Product datasheet for **MG220985**

### Cfp (NM\_008823) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cfp (NM_008823) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cfp
Synonyms:	BCFG; Pfc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220985 representing NM\_008823  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTGTGAAATGCAAGCCCCTCAGTGGCTCCTGCTGCTACTGTTATCCTGCCAGCCACAGGCTCAG  
 ACCCTGTGCTCTGCTTACCCAGTATGAGGAGTCTCTGGCAGGTGCAAAGGCCTACTTGGGAGAGACAT  
 CAGGGTAGAAGACTGCTGTCTCAACGCTGCCTATGCCTCCAGGAGCATGATGGTGGCCTCTGTCAGGCA  
 TGCAGGCTCCACAATGGTCAGCATGGTCTTATGGGGCCCTGCTCAGTTACATGTTCTGAGGGTCCC  
 AGCTGCGACACAGGCGCTGTGTGGCAGAGGTGGTCAGTCTGAGAATGTGGCTCCTGGAACCTTTGA  
 GTGGCAGCTACAGGCTGTGAGGACCAGCCATGCTGTCCAGAGATGGGTGGCTGGTCTGAGTGGGACCC  
 TGGGGCCTTGTCTGTACATGCTCAAAGGAACCCAGATCCGTCACAGATATGTGATAATCCTGCTC  
 CTAAGTGTGGGGCCACTGCCAGGAGAGGCCAGCAATCACAGGCTGTGACACCCAGAAGACCTGCC  
 CACACATGGGGCCTGGGCATCCTGGGGCCCTGGAGCCCTGCTCAGGATCCTGCCTTGGTGGTGTCAA  
 GAACCTAAGGAGACACGAAGCCGCTCATGTTCTGCACCAGCACCTTACACCAGCCCCCTGGGAAACCT  
 GCTCAGGACCAGCCTATGAGCATAAGGCCTGCAGTGGCCTACCACCTTGCCAGTGGCTGGTGGCTGGG  
 GCCATGGAGCCCTTTGAGCCCTGCTCTGTGACTTGTGGCCTGGGCCAGACCCTAGAGCAACGGACATGT  
 GATCACCTGCACCCGTCATGGGGCCCTTTTGTGCTGGTGTGCCACTCGGAACCAATGTGTAACA  
 AAGCCGTACCTTGCCTGTAACGGGGAGTGGGAGGCCTGGGAAAAATGGAGTACTGCAGCCGGCTGAG  
 AATGTCCATCACTGTGAAGGAACCCAGGCCAGCAGTCACGTTCAAGGAGCTGTGGCGGCCGCAATTT  
 AATGGGAAGCCATGTGCTGGAAAACCTCCAGGATATTCGACACTGCTATAACATCCATAACTGTATCATGA  
 AAGGTTTCATGGTCACAGTGGAGTACCTGGAGTCTGTGCACACCACCATGTAGTCCCAACGCCACCCGTGT  
 CCGCCAGCGCCTCTGCACACCTTGTCTCCCAAGTACCCGCTACAGTTTCAATGGTTGAAGGTACGGGT  
 GAGAAGAATGTTACCTTCTGGGGACTCCACGGCCACTGTGTGAAGCGCTACAGGGCAGAAGCTGGTGG  
 TGAAGAGAAACGGTCATGTCTACATGTGCTGTGCAAAGACCAGAAGAGAAGAAACCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220985 representing NM\_008823  
 Red=Cloning site Green=Tags(s)

MPAEMQAPQWLLLLLVLIPATGSDPVLCTQYEESSGRCKGLLGRDIRVEDCCLNAAAFQEHGGGLCQA  
 CRSPQWSAWSLWGPCSVTCSEGSQRLRHRRCVGRGGQCSENVAPGTLEWQLQACEDQPCPEMGGWSEWGP  
 WGPCSVTCSKGTQIRQRVCDNPAPKCGGHCPGEAQSQACDTQKTCPTHGAWASWGPWSPCSGSLGGAQ  
 EPKETRSRSCSAPAPSHQPPGKPCSGPAYEHKACSGLPPCPVAGGWGPWSPLSPCSVTGGLGQTLQRTC  
 DHPAPRHGGPFCAGDATRNQMCNKAVPCPVNGEWEAWGKWSDCSRLRMSINCEGTPGQQRSRSCGGRKF  
 NGKPCAGKLQDIRHCYNIHNCIMKGSWSQWSTWSLCTPPCSPNATRVRQLCTPLLPKYPTVSMVEGQG  
 EKNVTFWGTPRPLCEALQGQKL VVEEKRSCLHVPVCKDPEEKK

**TRTRPLE** - GFP Tag - V

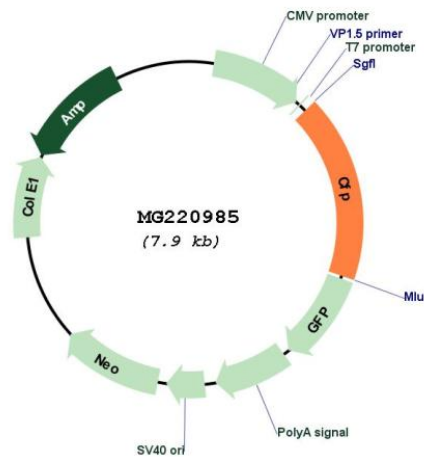
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_008823

ORF Size: 1392 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.

<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>	<a href="#">NM_008823.4</a> , <a href="#">NP_032849.2</a>
<b>RefSeq Size:</b>	1524 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	18636
<b>UniProt ID:</b>	<a href="#">P11680</a>
<b>Cytogenetics:</b>	X 16.44 cM
<b>Gene Summary:</b>	A positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes.[UniProtKB/Swiss-Prot Function]