

## Product datasheet for MC208551

### Gif (NM\_008118) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gif (NM_008118) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gif
Synonyms:	AV073125
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208551 representing NM_008118 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTGGCTTACCCTCTACCTCCTAAGTGTCTCTGGGCTGTGGCAGGAACCAGCACCCGTGCCAGA  
GCTCTTGCTCTGTGCCCCAGATCAGCAACCCTGGGTCGATGGCCTACAAGCGCTCATGGAGAATCGGT  
GACTGACTCAGACTTCCCAAACCCAGCATCCTGATTGCCATGAACCTGGCCGGCGCCTACAACGTGGAG  
GCCAGAACTCCTGACTTACCAGCTCATGGCCAGTGACAGTGACAGCTGACAAGTGGCAGCTTGCC  
TCACCGTTATGGCTCTCACGTCTCCTGCAGAGACCCTGGAAGTAAAGTGTCCACTCTACTGAAGAAAAT  
GGAGAACTGGTCACCTTCAAGCCCGGGTCTGAATCCTCGGCCTTCTATGGGCCTGGTTTGGCGATCCTC  
GCACTGTGCCAGAAGAGTTCAGAGGCGACCTTACCCATCGCAGTGCCTTCGCTAAGACCCTGATGATGG  
AACCTCTCCCTTCAATGTGGACACAGGAGCAGTGGCAACCTTGGCCCTGACCTGTATGTACAACAAGAT  
TCCTGTGGGTTCTCAAGAAAACCTACAGAGACCTGTTTGGTCAGGCACTGAAGGCTATTGTGGAGAAGATC  
AGCTTAAGGATCAAAGCTGATGGCATCATCGGAGACATCTACAGCACTGGCCTTGCCATGCAAGGCTCTCT  
CCGTGACACCTGAGCAACCTACCAAGAAGTGGGACTGTGAGAAGACTATGCATACAATACTCAACGAGAT  
TAAGCAAGGAAATTCAAAACCCCATGTCCATTGCCAAATTCCTTCCCTTCCCTTCAAAGGCAAGACTTAC  
CTAGATGTGCCCAAGTAACATGTGGTCTGATCATGAAGTGCCACCAACTTAACTGACTATCCTACCC  
CGGTCCCACTTCAAGTCTAACCATTACCGTCATATATACCATAAACAACCAGCTGAGAGGGGTTGATCT  
GCTTTTCAATGTGACCATCGAGGTTAGTGTGAAAAGTGGATCTGTGCTACTTGCTGTCTAGAAAGAGCA  
CAGCGCAAAAACCTCCATGTTCAAATTTGAAACCACCATGACATCCTGGGCTTATTGTCTCTTCTATCA  
ATAATATCGCTGAGAATGTTAATCACAAGACATACTGGGAGTTTCTTAGTGGCAAAACGCCTTTGGATGA  
AGGGTTGCTTACTATATCCCCTTCAATCATGAGCACATCACAGCCAACCTCACCAATAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008118
<b>Insert Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_008118.3</a></u> , <u><a href="#">NP_032144.2</a></u>
<b>RefSeq Size:</b>	1532 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	14603
<b>UniProt ID:</b>	<u><a href="#">P52787</a></u>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Promotes absorption of the essential vitamin cobalamin (Cbl) in the ileum. After interaction with CUBN, the CBLIF-cobalamin complex is internalized via receptor-mediated endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]