

## Product datasheet for **MG207395**

### **Tcf12 (BC037097) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcf12 (BC037097) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tcf12
Synonyms:	ME1, ALF1, HEB, HTF4, HTF-4, REB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207395 representing BC037097  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTTCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTTCTTCTGACCTTTGGAGTTCATCGAATG  
 GGATGAGCCAGCCTGGTTTTGGTGAATCTGGGGACCTCCACATCCACATGTCTCAGTCCAGTAGTTA  
 TGGCAGCCTTCATTACATGACCCTTGAGTTATCCTCCACACTCAGTGTACCAACAGACATAAACACA  
 AGTCTTCCGCCAATGTCCAGTTCACCGTGGTAGTACCAGCAGCTCACCATATGTTGCCGCTCACATA  
 CTCCTCCCATCAATGGATCAGATAGCATCTTAGGAACCAGAGGAATGCTGCTGGAAGCTCACAGACGGG  
 TGATGCACTTGGGAAGCCTTGGCATCTATTTATCCCTGACCACACAAGCAGTAGTTTTCCATCAAAC  
 CCATCAACACCAGTGGGATCTCCTTCACCTCTCACAGTACCAGTCACTGGCCAGAGCTGGAGGGCAAG  
 CTCCTTCACTCCAAGCTATGAAAACCTCACTTCACTCCCTGCAGTCTCGAATGGAAGACCGCTTAGACAG  
 GCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGACCTTCTACCAGTCTGCCTACTAGCCAC  
 AGTGACATACACAGTTTGTGGGACCATCCCATAAATGCATCAATTGGAAACCTCAATTCAAACTATGGAG  
 GATCCAGCCTTGTACAATAGTCGATCAGCTTCGATGGTCCGGAACACATCGGGAAGATTCAATCAGTCT  
 CAATGGCAATCATTTCGGTCTGTCTAGTACTGTTGCTGCCTCAAACACAGAACTGAACCATAAAACACCA  
 GAAAATTCAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTGTTCCAACAGAAATCAAGACTGAAAACA  
 AAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGACATGAAATCAGATGATGAGTCTCCCA  
 GAAAGACATCAAGGTCTCATCTAGGGCAGAACAGCAGTACCAATGAAGACGAGGATCTGAATCCAGAA  
 CAGAAAATCGAAAGGGAGAAGGAAAGCCGATGGCTAACAAATGCCAGAGAGCCCTGCCGTCGGGGATA  
 TTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTCAGTTCATTTGAAGAGTAAAAACCTCAGACAAA  
 ACTTCTCATTCTCATCAGGCCGTGGCAGTCACTCCTTAGTCTAGAACAGCAAGTGAGAGAGAGGAAACCTC  
 AACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAAGTCTCTGCTGCGTCAGCAGAGCCGCCCA  
 GCACGTTGCCAGGAGCCCATCTGGGCTTAGTGAGTCTACCAACCTATGGGTCATCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207395 representing BC037097  
 Red=Cloning site Green=Tags(s)

MFASTFFMQDGHSSSDLWSSSNQMSQPGFGGILGTSTSHMSQSSSYGSLHSHDRLSYPPHSVSPTDINT  
 SLPPMSSFHRGSTSSSPYVAASHTPPINGSDSLGRGNAAGSSQTGDALGKALASIYSPDHTSSSFPSN  
 PSTPVGSPSPLTGTSQWPRAGGQAPSSPSYENSLHSLQSRMEDRLDRLDDAIHVLNRNHAVGPSTSLPTSH  
 SDIHSLLGPSHNASIGNLNSNYGGSSLVTNSRSASVMGTHREDSVSLNGNHSVLSSVVAASNTLNHKTP  
 ENFRGGVQNGSGSVVPTTEIKTENKEKDNLHEPPSSDDMKSDDESSQDKIKVSSRGRTSSTNEDEDLNPE  
 QKIEREKERRMANNARERLRVRDINEAFKELGRMCQLHLKSEKPTKLLILHQAVAVILSLEQQVRERNL  
 NPKAACLKRREEEKVSAASAEPSTLPGAHPGLSESTNPMGHL

**TR**TRPLE - GFP Tag - V

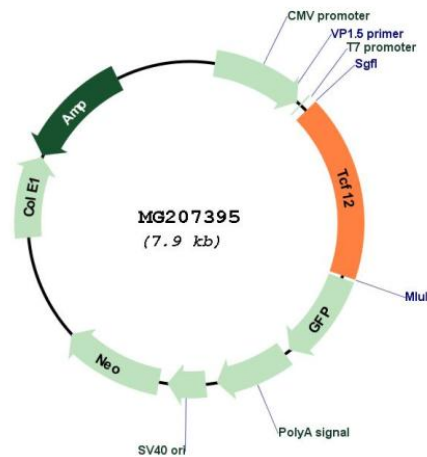
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC037097

ORF Size: 1391 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>	<u><a href="#">BC037097</a></u> , <u><a href="#">AAH37097</a></u>
<b>RefSeq Size:</b>	2732 bp
<b>RefSeq ORF:</b>	1391 bp
<b>Locus ID:</b>	21406
<b>Cytogenetics:</b>	9 39.85 cM
<b>Gene Summary:</b>	Transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3').[UniProtKB/Swiss-Prot Function]