

Product datasheet for **MR207395**

Tcf12 (BC037097) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (BC037097) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcf12
Synonyms:	ME1, ALF1, HEB, HTF4, HTF-4, REB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207395 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTTCTTCTGACCTTTGGAGTTCATCGAATG
 GGATGAGCCAGCCTGGTTTTGGTGAATTTCTGGGACCTCCACATCCCACATGTCTCAGTCCAGTAGTTA
 TGGCAGCCTTCATTACATGACCCTTGAGTTATCCTCCACACTCAGTGTACCAACAGACATAAACACA
 AGTCTTCCGCAATGTCCAGTTCACCGTGGTAGTACCAGCAGCTCACCATATGTTGCCGCTCACATA
 CTCCTCCCATCAATGGATCAGATAGCATCTAGGAACCAGAGGAATGCTGCTGGAAGCTCACAGACGGG
 TGATGCACTTGGGAAGCCTTGGCATCTATTTATCCCTGACCACACAAGCAGTAGTTTTCCATCAAAC
 CCATCAACACCAGTGGGATCTCCTTCACCTCTCACAGTACCAGTCACTGGCCAGAGCTGGAGGGCAAG
 CTCCTTCACTCCAAGCTATGAAAACCTCACTTCACTCCCTGCAGTCTCGAATGGAAGACCGCTTAGACAG
 GCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGACCTTCTACCAGTCTGCCTACTAGCCAC
 AGTGACATACACAGTTTGTGGGACCATCCCATATGCATCAATTGGAAACCTCAATTCAAACATATGGAG
 GATCCAGCCTTGTACAATAGTCGATCAGCTTCGATGGTCCGGAACACATCGGGAAGATTCAAGTCACTCT
 CAATGGCAATCATTTCGGTCTGTCTAGTACTGTTGCTGCCTCAAACACAGAACTGAACCATAAAACCA
 GAAAATTTAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTGTTCCAACAGAAATCAAGACTGAAAACA
 AAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGACATGAAATCAGATGATGAGTCTCCCA
 GAAAGACATCAAGGTCTCATCTAGGGCAGAACAGCAGTACCAATGAAGACGAGGATCTGAATCCAGAA
 CAGAAAATCGAAAGGGAGAAGGAAAGGCGGATGGCTAACAAATGCCAGAGAGCGCCTGCCGTCGGGGATA
 TTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTCAGTTCATTTGAAGAGTGAAAAACCTCAGACAAA
 ACTTCTCATTCTCATCAGGCCGTGGCAGTCATCCTTAGTCTAGAACAGCAAGTGAGAGAGAGGAAACCTC
 AACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAAGTCTCTGCTGCGTCAGCAGAGCCGCCCA
 GCACGTTGCCAGGAGCCCATCTGGGCTTAGTGAGTCTACCAACCCTATGGGTCATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207395 protein sequence
 Red=Cloning site Green=Tags(s)

MFASTFFMQDGHSSSDLWSSSNQMSQPGFGGILGTSTSHMSQSSSYGSLHSHDRLSYPPHSVSPDINT
 SLPPMSSFHRGSTSSSPYVAASHTPPINGSDSLGTGRNAAGSSQTDALGKALASIYSPDHTSSSFPSN
 PSTPVGSPSPLTGTSQWPFRAGGQAPSSPSYENSLHSLQSRMEDRLDRLDDAIHVLRNHAVGPSTSLPTSH
 SDIHSLLGPSHNASIGNLNSNYGGSSLVTNSRSASVMGTHREDSVSLNGNHSVLSSTVAASNTLNHKTP
 ENFRGGVQNSGVSVPTEIKTENKEKDENLHEPPSSDDMKSDDESSQKDIKVSSRGRTSSTNEDEDLNPE
 QKIEREKERRMANNARERLRVRDINEAFKELGRMCQLHLKSEKQTKLLILHQAVAVILSLEQQVRERNL
 NPKAACLKRREEEKVSAASAEPSTLPGAHPGLSESTNPMGHL

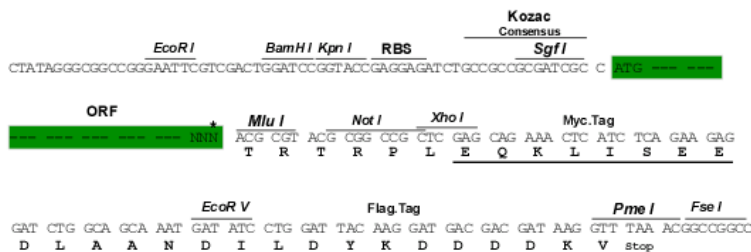
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC037097

ORF Size: 1389 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: [BC037097](#), [AAH37097](#)
RefSeq Size: 2732 bp

RefSeq ORF: 1391 bp

Locus ID: 21406

Cytogenetics: 9 39.85 cM

MW: 49.6 kDa

Gene Summary: Transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3').[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207395