

Product datasheet for **MC220764**

Tcf12 (NM_011544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (NM_011544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcf12
Synonyms:	A130037E08Rik; ALF1; bHLHb20; HEB; HEBAIt; HTF-4; HTF4; ME1; REB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220764 representing NM_011544
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCCCCAGCAGCAGCGCATGGCCGGATAGGGACCGACAAGGAGCTGAGCGACCTGCTGGACTTCA
 GTGCGATGTTTTCTCCACCTGTTAATAGTGGGAAAACGAGACCAACAACACTGGGAAGTAGTCAGTTCAG
 CGGGTCAGGTATGGATGAGCGTGGAGGAACAACATCTTGGGGAACAAGTGGTCAACCAAGCCCTCTAT
 GATTCTACTAGAGGTTTTACAGACAGCCCTCATTACAGTGATCACTTGAATGACAGTCGATTAGGAACCC
 ACGAAGGCTTGTCCCAACACCTTTTCACTGAACCTCAAATCTGATAGGGAAAACATCAGAGAGAGGCTCATT
 TTCCCTGTACAGCAGAGACTCTGGACTCTCAGGCTGTCAGTCTAGTCTCCTGAGACAAGATCTAGGACTT
 GGGAGCCCGGCACAGCTGTCTTCTCAGGAAAGCCTGGAACACCATACTACTCATTCTCTGCCACAAGTT
 CGAGAAGAAGACCGCTCCATGATTCTGTAGCCCTAGATCCTTTACAAGCGAAGAAAAGTAAAGAAAGGTGCC
 TCCTGGCTACCTTCTTGTATATGCACCATCCCAAAATCTGACGATTTCAACCGTGAATCTCCTAGT
 TACCCATCTCCAAGCCACCAACAGTATGTTCCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTT
 CTCTGACCTTTGGAGTTCATCGAATGGGATGAGCCAGCCTGGTTTTGGTGGAAATCTGGGGACCTCCAC
 ATCCACATGTCTCAGTCCAGTAGTTATGGCAGCCTTCATTACATGACCGCTTGAGTTATCCTCCACAC
 TCAGTGTACCAACAGACATAAACACAAGTCTTCCGCAATGTCCAGCTTCCACCGTGGTAGTACCAGCA
 GCTCACCATATGTTGCCGCTCACATACTCCTCCCATCAATGGATCAGATAGCATCTTAGGAACAGAGG
 GAATGTGCTGGAAGCTCACAGACGGGTGATGCACTTGGGAAGGCCTTGGCATCTATTTATCCCTGAC
 CACACAAGCAGTAGTTTTCCATCAAACCCATCAACACCAGTGGGATCTCCTTACCTCTCACAGGTACCA
 GTCAGTGGCCAGAGCTGGAGGGCAAGCTCCTTCACTCCAAGCTATGAAAACACTCACTTCACTCCCTGAA
 AAATCGAGTTGAGCAGCAACTTACGAGCATTTGCAAGATGCAATGTCCTTCTTAAAGGATGCTGTGAG
 CAGTCTCGAATGGAAGACCGCTTAGACAGGCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTG
 GACCTTCTACAGTCTGCCTACTAGCCACAGTGACATACACAGTTTGTGGGACCATCCCAATGCATC
 AATTGGAAACCTCAATCAAACCTATGGAGGATCCAGCCTTGTACAAATAGTCGATCAGCTTCGATGGTC
 GGAACACATCGGGAAGATTAGTCAAGTCTCAATGGCAATCATTCCGTCCTGTCTAGTACTGTTGCTGCCT
 CAAACACAGAATGAACCATAAAACACCAGAAAATTTAGAGGTGGTGTACAAAATCAGTCTGGAAGTGT
 TGTTCCAAACAGAAATCAAGACTGAAAACAAAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGAT
 GACATGAAATCAGATGATGAGTCTCCAGAAAGACATCAAGGTCTCATCTAGGGGCAGAACCAAGCAGTA
 CCAATGAAGACGAGGATCTGAATCCAGAACAGAAAATCGAAAGGGAGAAGGAAAGCGGATGGCTAACAA
 TGCCAGAGAGCGCTGCGGTGCGGGATATTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTCAGCTT
 CTTTTGAAGAGTAAAAACCTCAGACAAAACCTTCTCATTCTTCATCAGGCCGTGGCAGTCATCCTTAGTC
 TAGAACAGCAAGTGAAGAGAGAGGAACTCAACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAA
 AGTCTCTGCTGCGTCAGCAGAGCCGCCAACACGTTGCCAGGAGCCATCCTGGGCTTAGTGAGTCTACC
 AACCTATGGGTCATCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011544
Insert Size: 2121 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_011544.3](#), [NP_035674.2](#)

RefSeq Size: 4707 bp

RefSeq ORF: 2121 bp

Locus ID: 21406

UniProt ID: [Q61286](#)

Cytogenetics: 9 39.85 cM

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]
 Transcript Variant: This variant (1) represents the longest transcript and it encodes the longest protein (isoform 1).