

Product datasheet for **MC228661**

Tcf12 (NM_001253862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (NM_001253862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcf12
Synonyms:	A130037E08Rik; ALF1; bHLHb20; HEB; HEBAIt; HTF-4; HTF4; ME1; REB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228661 representing NM_001253862
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCCCAGCAGCAGCGCATGGCCGATAGGGACCGACAAGGAGCTGAGCGACCTGCTGGACTTCA
 GTGCGATGTTTTCTCCACCTGTTAATAGTGGGAAAACGAGACCAACAACACTGGGAAGTAGTCAGTTCAG
 CGGGTCAGGTATGGATGAGCGTGGAGGAACAACATCTTGGGGAACAAGTGGTCAACCAAGCCCCTCTAT
 GATTCACTAGAGGTTTTACAGACAGCCCTCATTACAGTGATCACTTGAATGACAGTCGATTAGGAACCC
 ACGAAGGCTTGTCCCAACACCTTTTCATGAACTCAAATCTGATAGGGAAAACATCAGAGAGAGGCTCATT
 TTCCCTGTACAGCAGAGACTCTGGACTCTCAGGCTGTCAGTCTAGTCTCCTGAGACAAGATCTAGGACTT
 GGGAGCCCGGCACAGCTGTCTTCTCAGAAAGCCTGGAACACCATACTACTCATTCTCTGCCACAAGTT
 CGAGAAGAAGACCGCTCCATGATTCTGTAGCCCTAGATCCTTTACAAGCGAAGAAAGTAAAGAAAGTGCC
 TCCTGGCTACCTTCTTGTATATGCACCATCCCAAAATCTGACGATTTCAACCGTGAATCTCCTAGT
 TACCCATCTCCAAGCCCAACAGTATGTTCCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTT
 CTCTGACCTTTGGAGTTCATCGAATGGGATGAGCCAGCCTGGTTTTGGTGGAAATCTGGGGACCTCCAC
 ATCCCACATGTCTCAGTCCAGTAGTTATGGCAGCCTTCATTACATGACCGCTTGAGTTATCCTCCACAC
 TCAGTGTCAACACAGACATAAACACAAGTCTTCCGCAATGTCCAGCTTCCACCGTGGTAGTACCAGCA
 GCTCACCATATGTTGCCGCTCACATACTCCTCCCATCAATGGATCAGATAGCATCTTAGGAACAGAGG
 GAATGTGCTGGAAGCTCACAGACGGGTGATGCACTTGGGAAGGCCTTGGCATCTATTTATCCCCTGAC
 CACACAAGCAGTAGTTTTCCATCAAACCCATCAACACCAGTGGGATCTCCTTACCTCTCACAGGTACCA
 GTCAGTGGCCAGAGCTGGAGGGCAAGCTCCTTCATCTCAAGCTATGAAAACACTTCACTCCCTGCA
 GTCTCGAATGGAAGACCGCTTAGACAGGCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGA
 CCTTCTACCAGTCTGCCTACTAGCCACAGTGACATACACAGTTTCTGGGACCATCCCATAAATGCATCAA
 TTGAAACCTCAATTCAACTATGGAGGATCCAGCCTTGTACAAATAGTCGATCAGCTTCGATGGTCGG
 AACACATCGGGAAGATTCAGTCACTCAATGGCAATCATTCCGCTCCTGTCTAGTACTGTTGCTGCCTCA
 AACACAGAAGTGAACATAAAACACCAGAAAATTTAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTG
 TTCCAACAGAAAATCAAGACTGAAAACAAAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGA
 CATGAAATCAGATGATGAGTCTCCAGAAAGACATCAAGGTCTCATCTAGGGCAGAACAGCAGTACC
 AATGAAGACGAGGATCTGAATCCAGAACAGAAAATCGAAAGGGAGAAGGAAAGGCGGATGGCTAACATG
 CCAGAGAGCGCCTGCGCGTGCAGGATTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTGAGCTTCA
 TTTGAAGAGTGAAAAACCTCAGACAAAACCTTCTCATTCTTCATCAGGCCGTGGCAGTCATCCTTAGTCTA
 GAACAGCAAGTGAGAGAGAGAACCTCAACCCCAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAAAG
 TCTCTGCTGCGTCAGCAGAGCCGCCAACACGTTGCCAGGAGCCCATCCTGGGCTTAGTGAGTCTACCAA
 CCCTATGGGTCATCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253862

Insert Size: 2049 bp

OTI Disclaimer: 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001253862.1</u> , <u>NP_001240791.1</u>
RefSeq Size:	4578 bp
RefSeq ORF:	2049 bp
Locus ID:	21406
Cytogenetics:	9 39.85 cM
Gene Summary:	<p>Transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3').[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses a different segment for its 5' UTR and lacks an alternate exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>