

Product datasheet for **MC227827**

Tcf12 (NM_001253865) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (NM_001253865) 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



[View online »](#)

Fully Sequenced ORF: >MC227827 representing NM_001253865
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTTCTTCTGACCTTTGGAGTTCATCGAATG
 GGATGAGCCAGCCTGGTTTTGGTGAATTCTGGGGACCTCCACATCCCACATGTCTCAGTCCAGTAGTTA
 TGGCAGCCTTCATTACATGACCCTTGAGTTATCCTCCACACTCAGTGTACCAACAGACATAAACACA
 AGTCTTCCGCCAATGTCCAGCTTCCACCGTGGTAGTACCAGCAGCTCACCATATGTTGCCGCTCACATA
 CTCCTCCCATCAATGGATCAGATAGCATCTAGGAACCAGAGGGAATGCTGCTGGAAGCTCACAGACGGG
 TGATGCACTTGGGAAGGCCTGGCATCTATTTATCCCTGACCACACAAGCAGTAGTTTTCCATCAAAC
 CCATCAACACCAGTGGGATCTCCTTCACCTCTCACAGGTACCAGTCACTGGCCAGAGCTGGAGGGCAAG
 CTCCTTCACTCCAAGCTATGAAAACCTCACTTCACTCCCTGCAGTCTCGAATGGAAGACCGCTTAGACAG
 GCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGACCTTCTACCAGTCTGCCTACTAGCCAC
 AGTGACATACACAGTTTGTCTGGGACCATCCCATAAATGCATCAATTGGAAACCTCAATTCAAACTATGGAG
 GATCCAGCCTTGTACAATAGTCGATCAGCTTCGATGGTCCGGAACACATCGGGAAGATTCAATCAGTCT
 CAATGGCAATCATTTCGGTCTGTCTAGTACTGTTGCTGCCTCAAACACAGAACTGAACCATAAAACACCA
 GAAAATTCAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTGTTCCAACAGAAATCAAGACTGAAAACA
 AAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGACATGAAATCAGATGATGAGTCTCCCA
 GAAAGACATCAAGGTCTCATCTAGGGCAGAACCAAGCAGTACCAATGAAGACGAGGATCTGAATCCAGAA
 CAGAAAATCGAAAGGGAGAAGGAAAGGCGGATGGCTAACAAATGCCAGAGAGCGCCTGCGCGTGCGGGATA
 TTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTCAGCTTCAATTTGAAGAGTGA AAAACCTCAGACAAA
 ACTTCTCATTCTCATCAGGCCGTGGCAGTCATCCTTAGTCTAGAACAGCAAGTGAGAGAGAGGAACTC
 AACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAAGTCTCTGCTGCGTCAGCAGAGCCGCCCA
 ACACGTTGCCAGGAGCCCATCTGGGCTTAGTGAGTCTACCAACCTATGGGTCTCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001253865
- Insert Size:** 1392 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:

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_001253865.1](#), [NP_001240794.1](#)

RefSeq Size: 4204 bp

RefSeq ORF: 1392 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 (5) lacks several exons in the coding region, compared to variant 1. The resulting protein (isoform 5) is shorter when it is compared to isoform 1.