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Product datasheet for MC228212

Tcf12 (NM_001253863) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (NM_001253863) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcf12
Synonyms:	A130037E08Rik; ALF1; bHLHb20; HEB; HEBAlt; 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:

>MC228212 representing NM_001253863
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACTGTGCTTATCCTGTCCCTGGAATGGGCAACAATTCTTTGATGTATTACTACAATGGGAAAACGG
TATATGCACCATCCCCAAATTCTGACGATTTCAACCGTGAATCTCCTAGTTACCCATCTCCCAAGCCACC
AACCAGTATGTTCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTTCTTCTGACCTTTGGAGTTCA
TCGAATGGGATGAGCCAGCCTGGTTTTGGTGGAATTCTGGGGACCTCCACATCCCACATGTCTCAGTCCA
GTAGTTATGGCAGCCTTCATTCACATGACCGCTTGAGTTATCCTCCACACTCAGTGTCACCAACAGACAT
AAACACAAGTCTTCCGCCAATGTCCAGCTTCCACCGTGGTAGTACCAGCAGCTCACCATATGTTGCCGCC
TCACATACTCCTCCCATCAATGGATCAGATAGCATCCTAGGAACCAGAGGGAATGCTGCTGGAAGCTCAC
AGACGGGTGATGCACTTGGGAAGGCCTTGGCATCTATTTATTCCCCTGACCACACAAGCAGTAGTTTTCC
ATCAAACCCATCAACACCAGTGGGATCTCCTTCACCTCTCACAGGTACCAGTCAGTGGCCCAGAGCTGGA
GGGCAAGCTCCTTCATCTCCAAGCTATGAAAACTCACTTCACTCCCTGAAAAATCGAGTTGAGCAGCAAC
TTCACGAGCATTTGCAAGATGCAATGTCCTTCTTAAAGGATGTCTGTGAGCAGTCTCGAATGGAAGACCG
CTTAGACAGGCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGACCTTCTACCAGTCTGCCT
ACTAGCCACAGTGACATACACAGTTTGCTGGGACCATCCCATAATGCATCAATTGGAAACCTCAATTCAA
ACTATGGAGGATCCAGCCTTGTTACAAATAGTCGATCAGCTTCGATGGTCGGAACACATCGGGAAGATTC
AGTCAGTCTCAATGGCAATCATTCGGTCCTGTCTAGTACTGTTGCTGCCTCAAACACAGAACTGAACCAT
AAAACACCAGAAAATTTCAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTTGTTCCAACAGAAATCAAGA
CTGAAAACAAAGAAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGACATGAAATCAGATGATGA
GTCCTCCCAGAAAGACATCAAGGTCTCATCTAGGGGCAGAACAAGCAGTACCAATGAAGACGAGGATCTG
AATCCAGAACAGAAAATCGAAAGGGAGAAGGAAAGGCGGATGGCTAACAATGCCAGAGAGCGCCTGCGCG
TGCGGGATATTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTCAGCTTCATTTGAAGAGTGAAAAACC
TCAGACAAAACTTCTCATTCTTCATCAGGCCGTGGCAGTCATCCTTAGTCTAGAACAGCAAGTGAGAGAG
AGGAACCTCAACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAGAAAAAGTCTCTGCTGCGTCAGCAG
AGCCGCCCAACACGTTGCCAGGAGCCCATCCTGGGCTTAGTGAGTCTACCAACCCTATGGGTCATCTGTA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253863

Insert Size: 1611 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_001253863.1, NP_001240792.1
RefSeq Size:	4029 bp
RefSeq ORF:	1611 bp
Locus ID:	21406
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 (3) has a different 5' end and lacks several exon in the coding region, which results in the use of a downstream start codon, compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct N-terminus when it is compared to isoform 1.