

Product datasheet for **MR230872**

Tcf12 (NM_001253862) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf12 (NM_001253862) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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 »](#)

ORF Nucleotide
Sequence:

>MR230872 representing NM_001253862
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATCCCCAGCAGCAGCGCATGGCCGGATAGGGACCGACAAGGAGCTGAGCGACCTGCTGGACTTCA
GTGCGATGTTTTCTCCACCTGTTAATAGTGGGAAAACGAGACCAACAACACTGGGAAGTAGTCAGTTCAG
CGGGTCAGGTATGGATGAGCGTGGAGGAACAACATCTTGGGGAACAAGTGGTCAACCAAGCCCTCTAT
GATTCTCTAGAGGTTTTACAGACAGCCCTCATTACAGTGATCACTTGAATGACAGTCGATTAGGAACCC
ACGAAGGCTTGTCCCAACACCTTTTCATGAACTCAAATCTGATAGGGAAAACATCAGAGAGAGGCTCATT
TTCCCTGTACAGCAGAGACTCTGGACTCTCAGGCTGTCAGTCTAGTCTCCTGAGACAAGATCTAGGACTT
GGGAGCCCGGCACAGCTGTCTTCTTCAGAAAGCCTGGAACACCATACTACTCATTCTCTGCCACAAGTT
CGAGAAGAAGACCGCTCCATGATTCTGTAGCCCTAGATCCTTTACAAGCGAAGAAAAGTAAAGAAAGTGCC
TCCTGGCTACCTTCTTGTATATGCACCATCCCAAAATCTGACGATTTCAACCGTGAATCTCCTAGT
TACCCATCTCCAAGCCCAACCAAGTATGTTCCGCTAGCACTTTCTTTATGCAAGATGGGACCCACAGTT
CTTCTGACCTTTGGAGTTCATCGAATGGGATGAGCCAGCCTGGTTTTGGTGGAAATCTGGGGACCTCCAC
ATCCACATGTCTCAGTCCAGTAGTTATGGCAGCCTTCATTACATGACCGCTTGAGTTATCCTCCACAC
TCAGTGTACCAACAGACATAAACACAAGTCTTCCGCCAATGTCCAGCTTCCACCGTGGTAGTACCAGCA
GCTCACCATATGTTGCCGCCTCACATACTCCTCCCATCAATGGATCAGATAGCATCTTAGGAACAGAGG
GAATGTGCTGGAAGCTCACAGACGGGTGATGCACTTGGGAAGGCCTTGGCATCTATTTATCCCTGAC
CACACAAGCAGTAGTTTTCCATCAAACCCATCAACACCAGTGGGATCTCCTTACCTCTCACAGGTACCA
GTCAGTGGCCAGAGCTGGAGGGCAAGCTCCTTCATCTCAAGCTATGAAAACACTTCACTCCCTGCA
GTCTCGAATGGAAGACCGCTTAGACAGGCTGGATGATGCTATCCATGTGCTACGAAACCATGCAGTTGGA
CCTTCTACCAGTCTGCCTACTAGCCACAGTGACATACACAGTTTGTGGGACCATCCCATAAATGCATCAA
TTGGAACCTCAATCAAACTATGGAGGATCCAGCCTTGTACAATAGTCGATCAGCTTCGATGGTCGG
AACACATCGGGAAGATTCAGTCACTCAATGGCAATCATTGGTCTGTCTAGTACTGTTGCTGCCTCA
AACACAGAAGTGAACATAAAACACCAGAAAATTTAGAGGTGGTGTACAAAATCAGTCTGGAAGTGTG
TTCCAACAGAAAATCAAGACTGAAAACAAAGAAAAGATGAAAACCTTCATGAACCTCCTTCATCAGATGA
CATGAAATCAGATGATGAGTCTCCAGAAAGACATCAAGGTCTCATCTAGGGGCAGAACAAGCAGTACC
AATGAAGACGAGGATCTGAATCCAGAACAGAAAATCGAAAGGGAGAAGGAAAGGCGGATGGCTAACATG
CCAGAGAGCGCCTGCGCGTGC GGATATTAACGAGGCGTTCAAGGAGCTTGGCCGAATGTGTGAGCTTCA
TTTGAAGAGTGA AAAACCTCAGACAAAACCTTCTCATTCTTCATCAGGCCGTGGCAGTCATCCTTAGTCTA
GAACAGCAAGTGAGAGAGAGAACTCAACCCCAAAGCAGCCTGCCTTAAGAGAAGAGAAGAAAAG
TCTCTGCTGCGTCAGCAGAGCCGCCAACACGTTGCCAGGAGCCCATCCTGGGCTTAGTGAGTCTACCAA
CCCTATGGGTCATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230872 representing NM_001253862
 Red=Cloning site Green=Tags(s)

MNPQQQRMAAIGTDKELSDLLDFSAMFSPPVNSGKTRPTTLGSSQFSGSGMDERGGTTSWGTSQSPSPSY
 DSSRGTDSPHYSDHLNDSRLGTHEGLSPTPFMNSNLIGKTSERGSFSLYSRDSGLSGCQSSLLRQDLGL
 GSPAQLSSSGKPGTPYYFSATSSRRRPLHDSVALDPLQAKKVRKVPPGLPSSVYAPSPNSDDFNRES
 YPSPKPPTSMFASTFFMQDGTSSSDLWSSNNGMSQPGFGGILGTSTSHMSQSSSYGSLHSHDRLSYPPH
 SVSPTDINTSLPPMSSFHRGSTSSSPYVAASHTPPINGSDSLGTGRGNAAGSSQTGDALGKALASIYSPD
 HTSSFPNPSTPVGSPSPLTGTSTQWPRAAGQAPSPSPSYENSLHSLQSRMEDRLDRLDDAIHVLNRNHAVG
 PSTSLPTSHSDIHSLLGPSHNASIGNLNSNYGGSSLVTNRSASVMGTHREDSVSLNGNHVLSSTVAAS
 NTELNHKTPENFRGGVQNQSGSVVPTTEIKTENKEKDENLHEPPSSDDMKSDDESSQDKIKVSSRGRSTST
 NEDEDLNPEQKIEREKERRMANNARERLVRDINEAFKELGRMCQLHLKSEKPTKLLILHQAVAVILSL
 EQQVRRERLNPKAAACLKRREEEKVSAASAEPNTPGHPGLSESTNPMGHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

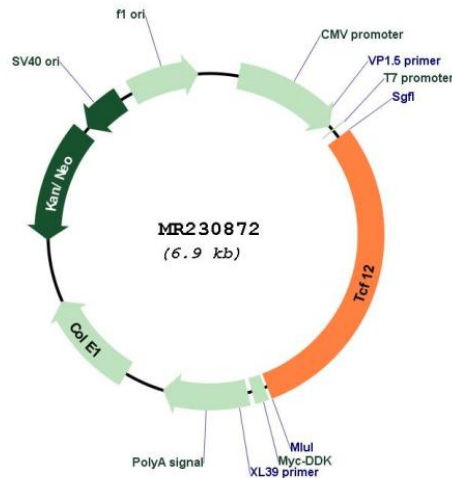
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253862

ORF Size: 2046 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: [NM_001253862.1](#), [NP_001240791.1](#)

RefSeq Size: 4578 bp

RefSeq ORF: 2049 bp

Locus ID: 21406

Cytogenetics: 9 39.85 cM

MW: 73.4 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]