

## Product datasheet for **MR226144**

### Tcf711 (NM\_009332) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf711 (NM_009332) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcf711
Synonyms:	bHLHb21; Tcf-3; Tcf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR226144 representing NM\_009332  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCCAGCTCGGTGGTGGCCGCGGTGGCGCGCCGGCGGGGAGGCGGTGGCTCCGGAGCCGGGCAA  
 CCAGTGGAGGGGACGACCTCGGAGCGAACGACGAGCTGATCCCCTTCCAGGACGAGGGGGCGAAGAGCA  
 AGAGCCGAGCAGCGACAGCGCTTCGCGCGAGAGGATCTGGATGAGGTCAAGTCGTCCCTGGTCAACGAA  
 TCGGAGAATCAGAGCAGTAGCTCGGACTCCGAGGCGGAGAGGCGCCCGCAGCCCGCCGGGACGCTTTCC  
 AGAAGCCGCGGACTATTTCCGCGAAGTGAGAAGGCCCCAGGATGGCGCTTTTTTTAAGGACCTGCGTA  
 TCCTGGGTACCCCTTCTGATGATTCCAGACCTGAGCAGCCCGTACCTCTCCAACGGACCCCTGTCTCT  
 GGTGGAGCGCGCACCTACCTACAGATGAAATGGCCCTCTCGATGTCCCCTCCAGTGTACAGTCAAGG  
 ACACAAGTGCCTATCTCAGCACACTTGTCCAACAAAGTTCTGTTGTTGAGCACCCCTCATCACATGCA  
 CCCGCTGACACCTCTCATCCTACAGCAACGACCACTTCTCCCCTGCGTCCCCTCCCACGCATCTGTCC  
 CCAGAGATCGACCCAAAGACAGGAATCCCCCGGCCCTCATCCATCTGAGCTGTACCCGTATTACCCAC  
 TGCTCCAGGAGCTGTCGGACAAATCCCCATCCCCTCGGCTGGCTCGTCCCACAGCAAGGGCAGCCAT  
 GACTCTCTCCCTCCGGGTGGTTTCCGGCATCCTTACCCTGCCCTCGCCATGAACGCTTCAATGTCCAGC  
 CTGGTCTCAAGCCGGTCCCACACATGGTGGCTCCTGCCATCCTGGTCTGCCACCTCAGGAATCCCC  
 ACCCTGCCATCGTCTCCCCATTGTGAAGCAGGAGCCAGCAGCCCCAGCCTGAGCCCTGCAGTGAAGTGC  
 GAAATCCCAGTTACGGTGAAGAAGGAAGAGGAGAAGAAACCTCACGTGAAAAAGCCCTGAATGCCTTC  
 ATGTTGATATGAAGGAGATGAGGGCAAGGTGGTGGCCGAGTGTACCCTGAAGGAAAGTGCAGCCATTA  
 ACCAAATCCTGGGAAGAAAGTGGCACAACCTGTCAAGAGAAGAAGCAAGCCAAATACTATGAGCTTGCCCG  
 GAAAGAACGCGCAGCTTACGCGCAGCTTACCCAACCTGGTCAGCCCGGACAACATATGGGAAGAAGAAG  
 AAGAGGAAGAGAGAAAAGCAGCTGTACAGACACAGTCTCAGCAGCAAAATCCAAGAGGCAGAGGGTCTC  
 TGGCCTCTAAGAGCAAGAAGCCATGCATTAGTACCTGCCCTGAGAAGCCTTGTGATAGCCCTGCGTC  
 TTCCATGGCAGCAGCTGGACTCCCCTGCGACGCCCTCCGACGCTTGGCCTACCAGCTGCCCTGCG  
 GCTACCCACTCCGAGCAAGCGCAGCCCTGTGCTCACCACAAACCGGAGGCCCGGGCCAGCTGGCTC  
 TCCACTCCGCTGCCTTCTGTGCGCTAAGGCGGCCAGCAACTCCAGCCAGATGGGCAGCCAGCCCC  
 ACTCTATCCAGGCCCTTGCCTTGGGCTCTATGCCCGCCGCTCTGCTGACCTCTCCCCTACTTTCCCA  
 GCTACGCTCCATGCCACCAGGCCCTCCCCTGCTACAGGCCAGCCTTTTCTTGGTACCAAGTCTG  
 CCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226144 representing NM\_009332  
 Red=Cloning site Green=Tags(s)

MPQLGGGRGGGAGGGGGSGAGATSGGDDLGANDELIPFQDEGGEEQEPSSDSASAQRDLEVKSSLVNE  
 SENQSSSDSEAERRPQPARDAFQKPRDYFAEVRRPQDGAFFKGPAYPGYPFLMIPDLSSPYLSNGPLSP  
 GGARTYLQMKWPLLDVPSSATVKDTRSPSPAHLSNKVPVVQHPHMHPLTPLITYSNDHFSPASPTHLS  
 PEIDPKTGIPRPPHSELSPYYPLSPGAVGQIPHPLGWLVPQQGQPMYSLPPGGFRHPYPALAMNASMSS  
 LVSSRFPHMVAPAHPLPTSGIPHPAIVSPIVKQEPAAAPSLSPAVSAKSPVTVKKEEEKPHVKKPLNAF  
 MLYMKEMRAKVVAECTLKEAAINQILGRKWHNLSREEQAKYYELARKERQLHAQLYPTWSARDNYGKKK  
 KRKREKQLSQTQSQQQIQEAEGALASKKPCIQYLPPEKPCDSPASSHGSTLDSPATPSAALASPAAPA  
 ATHSEQAQPLSLTTKPEARAQLALHSAFLSAKAAASNSSQMGSQPPLL SRPLPLGSMPAALLTSPPTF  
 ATLHAHQALPVLQAQPLSLVTKSAH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_009332

**ORF Size:** 1755 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\\_009332.3](#)
**RefSeq Size:** 2742 bp

**RefSeq ORF:** 1758 bp

**Locus ID:** 21415

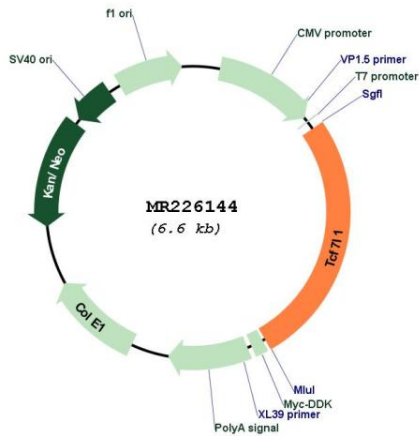
**UniProt ID:** [Q9Z1J1](#)

Cytogenetics: 6 32.27 cM

MW: 62.9 kDa

Gene Summary: Participates in the Wnt signaling pathway. Binds to DNA and acts as a repressor in the absence of CTNNB1, and as an activator in its presence. Necessary for the terminal differentiation of epidermal cells, the formation of keratohyalin granules and the development of the barrier function of the epidermis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226144