

Product datasheet for **MR226098**

Tcf711 (NM_001079822) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf711 (NM_001079822) 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:

>MR226098 representing NM_001079822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCAGCTCGGTGGTGGCCGCGGTGGCGGCGCCGGGGAGGCGGTGGCTCCGGAGCCGGGCAA
 CCAGTGGAGGGGACGACCTCGGAGCGAACGACGAGCTGATCCCCTTCCAGGACGAGGGGGCGAAGAGCA
 AGAGCCGAGCAGCGACAGCGCTTCGGCGCAGAGGGATCTGGATGAGGTCAAGTCGTCCCTGGTCAACGAA
 TCGGAGAATCAGAGCAGTAGCTCGGACTCCGAGGCGGAGAGGCGCCCGCAGCCCGCCGGGACGCTTTCC
 AGAAGCCGCGGACTATTTCCGCGAAGTGAGAAGGCCCCAGGATGGCGCTTTTTTAAAGGACCTGCGTA
 TCCTGGGTACCCCTTCTGATGATTCCAGACCTGAGCAGCCCGTACCTCTCCAACGGACCCCTGTCTCT
 GGTGGAGCGCGCACCTACCTACAGATGAAATGGCCCTCTCGATGTCCCCTCCAGTGCTACAGTCAAGG
 ACACAAGTGCATCTCCAGCACACTTGTATGGGGATCTGCCGTTGGATGGTGCCTCCACATTCAG
 GTCCAACAAAGTCTCTGTTGTTACGACCCTCATCACATGACCCGCTGACACCTCTCATCACTACAGC
 AACGACCACTTCTCCCCTGCGTCCCCTCCACGCATCTGTCCCAGAGATCGACCCAAAGACAGGAATCC
 CCCGGCCCCCTCATCCATCTGAGCTGTACCCGATTACCCACTGTCTCCAGGAGCTGTGGACAAATCCC
 CCATCCCCTCGGCTGGCTCGTCCCACAGCAAGGGCAGCCCATGACTCTCTCCCTCCGGGTGGTTCCGG
 CATCCTTACCCTGCCCTCGCATGAACGCTTCAATGTCCAGCCTGGTCTCAAGCCGGTCCCACACATGG
 TGGCTCTGCCATCCTGGTCTGCCACCTCAGGAATCCCCACCTGCCATCGTCTCCCCATTGTGAA
 GCAGGAGCCAGCAGCCCCAGCCTGAGCCCTGCAGTGAGTGCAGAAATCCCAGTTACGGTGAAGAAGGAA
 GAGGAGAAGAACTCACGTGAAAAAGCCCTGAATGCCTTATGTTGTATGAAGGAGATGAGGGCCA
 AGGTGGTGGCCGAGTGTACCTGAAGGAAAGTGCAGCCATTAACCAAATCCTGGGAAGAAAGTGGCACA
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 TCAGTACCTGCCCTGAGAAGCCTTGTGATAGCCCTGCGTCTTCCATGGCAGCAGCTGGACTCCCCT
 GCGAGCCCTCCGAGCCTTGGCTCACCAGCTGCCCTGCGGCTACCCACTCCGAGCAAGCGCAGCCCC
 TGTGCTCACCACCAACCGGAGGCCGGGCCAGCTGGCTCTCCACTCCGCTGCCTTCTGTGCGTAA
 GCGGCCGCCAGCAACTCCAGCCAGATGGGCAGCCAGCCCCACTCTATCCAGGCCCTTGCCTTGGGC
 TCTATGCCCGCGCTCTGCTGACCTCTCCCCTACTTTCCAGCTACGCTCCATGCCACCAGGCCCTCC
 CCGTGCTACAGGCCAGCCTCTTCTTGGTACCAAGTCTGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226098 representing NM_001079822
 Red=Cloning site Green=Tags(s)

MPQLGGGRGGAGGGGGSGAGATSGGDDLGANDELIPFQDEGGEEQEPSSDSASAQRDLEVKSSLVNE
 SENQSSSDSEAERRPQPARDAFQKPRDYFAEVRPQDGAFFKGPAYPGYPFLMIPDLSPLYLNGPLSP
 GGARTYLQMKWPLLDVPSSATVKDTRSPSPAHLYGDPARWMPPTFRSNKVPVQHPHMHPLTPLITYS
 NDHFSPASPPTHLSPEIDPKTGIPRPPHPSELSPYYPLSPGAVGQIPHLGWLVPQQQPMYSLPPGGFR
 HPYPALAMNASMSLVSSRFPHMVAPHPGLPTSGIPHPAIVSPIVKQEPAPSLSPAVSAKSPVTVKKE
 EEKKPHVKKPLNAFMLYMKEMRAKVVAECTLKESAAINQILGRKWHNL SREEQAKYYELARKERQLHAQL
 YPTWSARDNYGKKKREKQLSQTQSQQIQEAEGALASKSKPCIQYLPPEKPCDSPASSHGSTLDSP
 ATPSAALASPAAPAATHSEQAQPLSLTTKPEARALALHSA AFLSAKAAAANSQQMGSQPPLLSRPLPLG
 SMPAALLTSPPTFPATLHAHQALPVLQAQPLSLVTKSAH

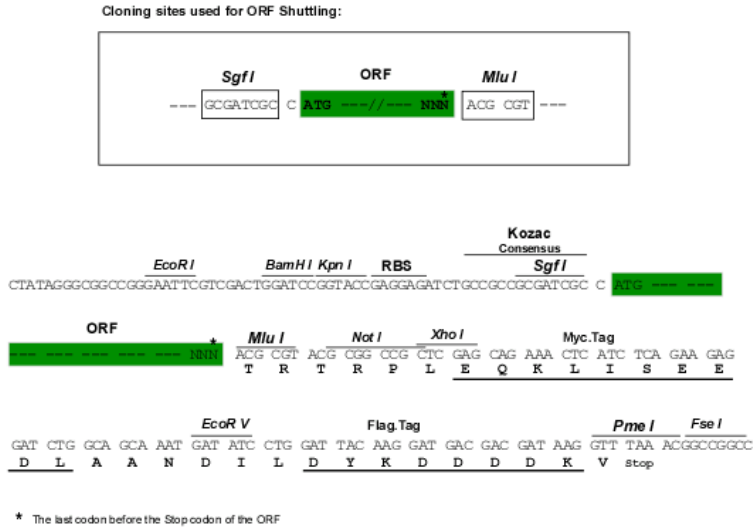
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9089_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001079822

ORF Size: 1797 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_001079822.2](#), [NP_001073290.1](#)

RefSeq Size: 2882 bp

RefSeq ORF: 1800 bp

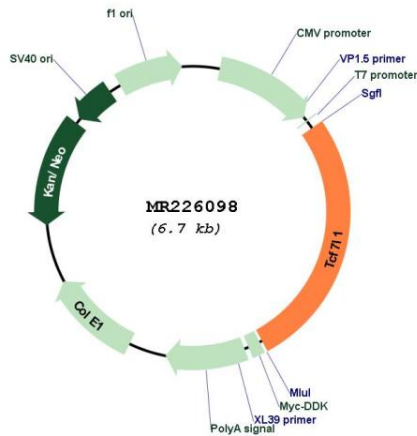
Locus ID: 21415

Cytogenetics: 6 32.27 cM

MW: 64.1 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 MR226098