

Product datasheet for **MC219284**

Tcf711 (NM_009332) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf711 (NM_009332) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC219284 representing NM_009332
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCAGCTCGGTGGTGGCCGCGGTGGCGGCGCCGGGGAGGCGGTGGCTCCGGAGCCGGGCAA
 CCAGTGGAGGGGACGACCTCGGAGCGAACGACGAGCTGATCCCCTTCCAGGACGAGGGGGCGAAGAGCA
 AGAGCCGAGCAGCGACAGCGCTTCGGCGCAGAGGGATCTGGATGAGGTCAAGTCGTCCTCGTCAACGAA
 TCGGAGAATCAGAGCAGTAGCTCGGACTCCGAGGCGGAGAGGCGCCCGCAGCCCGCCGGGACGCTTCC
 AGAAGCCGCGGACTATTTCCGCGAAGTGAGAAGGCCCCAGGATGGCGCTTTTTTTAAGGGACCTGCGTA
 TCCTGGGTACCCCTTCTGATGATTCCAGACCTGAGCAGCCCGTACCTCTCCAACGGACCCTGTCTCT
 GGTGGAGCGCGCACCTACCTACAGATGAAATGGCCCTCCTCGATGTCCCCTCCAGTGTACAGTCAAGG
 ACACAAGTGCACATCTCCAGCACACTTGTCCAACAAAGTTCTGTTGTTTCAGCACCCCTCATCACATGCA
 CCCGCTGACACCTCTCATCCTACAGCAACGACCACTTCTCCCCTGCGTCCCCTCCCACGCATCTGTCC
 CCAGAGATCGACCCAAAGACAGGAATCCCCGGCCCCCTCATCCATCTGAGCTGTACCCGTATTACCCAC
 TGCTCCAGGAGCTGTCGGACAAATCCCCATCCCCTCGGCTGGCTCGTCCCACAGCAAGGGCAGCCCAT
 GACTCTCTCCCTCCGGGTGGTTTCCGGCATCCTTACCCTGCCCTCGCCATGAACGCTTCAATGTCCAGC
 CTGGTCTCAAGCCGGTCCCACACATGGTGGCTCCTGCCATCCTGGTCTGCCACCTCAGGAATCCCC
 ACCCTGCCATCGTCTCCCCATTGTGAAGCAGGAGCCAGCAGCCCCCAGCCTGAGCCCTGCAGTGAAGTGC
 GAAATCCCAGTTACGGTGAAGAAGGAAGAGGAGAAGAAACCTCACGTGAAAAAGCCCTGAATGCCTTC
 ATGTTGTATGAAGGAGATGAGGGCAAGGTGGTGGCCGAGTGTACCCTGAAGGAAAGTGCAGCCATTA
 ACCAAATCCTGGGAAGAAAGTGGCACAACCTGTCAAGAGAAGAACAGGCCAAATACTATGAGCTTGCCCG
 GAAAGAACGGCAGCTTACGCGCAGCTTACCCAACCTGGTCAGCCCGGACAACATATGGGAAGAAGAAG
 AAGAGGAAGAGAGAAAAGCAGCTGTACAGACACAGTCTCAGCAGCAAATCCAAGAGGCAGAGGGTGTCT
 TGGCCTCTAAGAGCAAGAAGCCATGCATTAGTACCTGCCCTGAGAAGCCTTGTGATAGCCCTGCGTC
 TTCCATGGCAGCAGCTGGACTCCCCTGCGACGCCCTCCGACGCTTGGCCTACCAGCTGCCCTGCG
 GCTACCCACTCCGAGCAAGCGCAGCCCTGTGCTCACCACAAACCGGAGGCCCGGGCCAGCTGGCTC
 TCCACTCCGCTGCCTTCTGTGGCTAAGGCGGCCCGCAGCAACTCCAGCCAGATGGGCAGCCAGCCCC
 ACTCCTATCCAGGCCCTTGCCCTTGGGCTCTATGCCCGCCGCTCTGCTGACCTCTCCCCCTACTTTCCCA
 GCTACGCTCCATGCCACCAGGCCCTCCCGTGTACAGGCCAGCCTTTTCTTGGTACCAAGTCTG
 CCCACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1538_a10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_009332

Insert Size: 1758 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).

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_009332.2](#), [NP_033358.2](#)

RefSeq Size: 2742 bp

RefSeq ORF: 1758 bp

Locus ID: 21415

UniProt ID: [Q9Z1J1](#)

Cytogenetics: 6 32.27 cM

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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 2, which lacks an internal segment and is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.