

## Product datasheet for **MG226098**

### Tcf711 (NM\_001079822) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf711 (NM_001079822) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tcf711
Synonyms:	bHLHb21; Tcf-3; Tcf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG226098 representing NM\_001079822  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCCAGCTCGGTGGTGGCCGCGGTGGCGCGCCGGCGGGGAGGCGGTGGCTCCGGAGCCGGGCAA  
 CCAGTGGAGGGGACGACCTCGGAGCGAACGACGAGCTGATCCCCTTCCAGGACGAGGGGGCGAAGAGCA  
 AGAGCCGAGCAGCGACAGCGCTTCGCGCGAGAGGGATCTGGATGAGGTCAAGTCGTCCTGGTCAACGAA  
 TCGGAGAATCAGAGCAGTAGCTCGGACTCCGAGGCGGAGAGGCGCCCGCAGCCCGCCGGGACGCTTTCC  
 AGAAGCCGCGGACTATTTCCGCGAAGTGAGAAGGCCCCAGGATGGCGCTTTTTTTAAGGACCTGCGTA  
 TCCTGGGTACCCCTTCTGATGATTCCAGACCTGAGCAGCCCGTACCTCTCCAACGGACCCTGTCTCT  
 GGTGGAGCGCGCACCTACCTACAGATGAAATGGCCCTCTCGATGTCCCCTCCAGTGCTACAGTCAAGG  
 ACACAAGTGCACATCTCCAGCACACTTGTATGGGGATCTGCCCGTTGGATGGTGCCTCCACATTCAG  
 GTCACAACAAAGTTCCTGTTGTTACGACCCTCATCACATGCACCCGCTGACACCTCTCATCACCTACAGC  
 AACGACCCTTCTCCCCTGCGTCCCCTCCCACGCATCTGTCCCAGAGATCGACCCAAAGACAGGAATCC  
 CCCGGCCCCCTCATCCATCTGAGCTGTACCCGTATTACCACTGTCTCCAGGAGCTGTGGACAAATCCC  
 CCATCCCCTCGGCTGGCTCGTCCCACAGCAAGGGCAGCCCATGTAATCTCTCCCTCCGGGTGGTTTCCGG  
 CATCCTTACCCTGCCCTCGCATGAACGCTTCAATGTCCAGCCTGGTCTCAAGCCGGTCCCACACATGG  
 TGGCTCCTGCCATCCTGGTCTGCCACCTCAGGAATCCCCACCTGCCATCGTCTCCCCATTGTGAA  
 GCAGGAGCCAGCAGCCCCAGCCTGAGCCCTGCAGTGAGTGCAGAAATCCCAGTTACGGTGAAGAAGGAA  
 GAGGAGAAGAAACCTCACGTGAAAAAGCCCTGAATGCCTCATGTTGTATGAAGGAGATGAGGGCAA  
 AGTGGTGGCCGAGTGTACCTGAAGGAAAGTGCAGCCATTAACCAAATCCTGGGAAGAAAGTGGCACA  
 CCTGTCAAGAGAAGAACAGGCCAAATACTATGAGCTTGCCCGAAAGAACGGCAGCTTACAGCGCAGCTC  
 TACCCAACCTGGTCAAGCCGGGCAACTATGGGAAGAAGAAGAGGAAGAGAGAAAAGCAGCTGTAC  
 AGACACAGTCTCAGCAGCAAATCCAAGAGCAGAGGGTGTCTGGCTCTAAGAGCAAGAAGCCATGCAT  
 TCAGTACCTGCCCTGAGAAGCCTTGTGATAGCCCTGCGTCTTCCATGGCAGCAGCTGGACTCCCCT  
 GCGAGCCCTCCGAGCCTTGGCTCACCAGCTGCCCTGCGGCTACCACTCCGAGCAAGCGCAGCCCC  
 TGTCGCTCACCACCAACCGGAGGCCGGGCCAGCTGGCTCTCCACTCCGCTGCCTTCTGTGCGCTAA  
 GCGCGCCGCCAGCAACTCCAGCCAGATGGGCAGCCAGCCCCACTCTATCCAGGCCCTTGCCTTGGGC  
 TCTATGCCCGCGCTCTGCTGACCTCTCCCCTACTTTCCAGCTACGCTCCATGCCACCAGGCCCTCC  
 CCGTGCTACAGGCCAGCCTCTTCTTGGTACCAAGTCTGCCAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG226098 representing NM\_001079822  
 Red=Cloning site Green=Tags(s)

MPQLGGGRGGAGGGGGSGAGATSGGDDLGANDELIPFQDEGGEEQEPSSDSASAQRDLDVKSLLVNE  
 SENQSSSSDSEARRPQPARDAFQKPRDYFAEVRPQDGAFFKGPAYPGYPFLMIPDLSSPYLSNGPLSP  
 GGARTYLQMKWPLLDVPSSATVKDTRSPSPAHLYGDPARWMPPTFRSNKVPVQVHPHMHPLTPLITYS  
 NDHFSPASPPHLSPEIDPKTGIPRPPHSELSPYYPLSPGAVGQIPHPLGWLVPQQQPMYSLPPGGFR  
 HPYPALAMNASMSSLVSSRFPHMVAPAHPLPTSGIPHPAIVSPIVKQEPAPSLSPAVSAKSPVTVKKE  
 EEKPHVKKPLNAFMLYMKEMRAKVVAECTLKESAAINQILGRKWHNLSREEQAKYYELARKERQLHAQL  
 YPTWSARDNYGKKKREKQLSQTQSQQIQEAEALASKSKKPCIQYLPEKPCDSPASHSGLDSDP  
 ATPSAALASPAAPAATHSEQAQPLSLTTKPEARAQLALHSAAFLSAKAAASNSSQMGSPPLLSRPLPLG  
 SMPAALLTSPPTFPATLHAHQALPVLQAQPLSLVTKSAH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001079822.2</a> , <a href="#">NP_001073290.1</a>
<b>RefSeq Size:</b>	2784 bp
<b>RefSeq ORF:</b>	1800 bp
<b>Locus ID:</b>	21415
<b>Cytogenetics:</b>	6 32.27 cM
<b>Gene Summary:</b>	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]