

## Product datasheet for MR226713

### Tcf7 (NM\_009331) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tcf7 (NM\_009331) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tcf7  
**Synonyms:** AI465550; TCF-1; Tcf1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226713 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTACAAAGAGACTGTCTACTCTGCCTTCAATCTGCTCATGCCCTACCCACGGCCTCGGGAGCAGGGC  
 AGCATCCGCAGCCTCAACCCCGCTGCATAACAAGCCCGCCAGCCTCCACATGGCGTCCCCAGCTTTC  
 TCCACTCTACGAACATTTACGAGTCCACACCCACCCCTGCACCAGCGGACATCAGCCAGAAGCAAGGA  
 GTTCACAGGCCGCTGCAGACCCCGATCTCTGGATTTATTCTCTGACCTCAGGCAGCATGGGACAGC  
 TCCCCATACTGTGAGCTGGCCAGTCTCTCTACCCCTGTCCCCTTCTCGGGATATAGACAGCA  
 CTTCCTGCCCCACTGCAGCCCTGGCGCCCTATCCCAGGTTACCCACCCATCCTTGATGCTGGGA  
 TCTGGTGTACCTGGACACCCAGCAGCCATCCCTCACCCGGCCATTGTGCCCTCCTCAGGGAAGCAGGAGC  
 TGCAGCCATATGATAGAAACCTGAAAACACAGGCAGAACCAAGGCAGAGAAGGAGGCTAAGAAGCCAGT  
 CATCAAGAAACCCCTCAATGCGTTATGCTTTACATGAAGGAGATGAGAGCCAAGGTCATTGCTGAGTGC  
 ACACTCAAGGAGAGCGTGCATCAACCAGATCCTGGTTCGAGGTGGCATGCATATCTCGAGAAGAGC  
 AGGCCAAGTACTATGAACTGGCCCGAAGGAAAGGCAGCTGCACATGCAGCTATACCCGGGCTGGTCCGC  
 GCGGGATAACTACGGAAGAAGAAGAGGGCGGTCAAGGGAAAAACATCAAGAATCCACCACAGGAGGAAAA  
 AGAAATGCATTCGGTACTTACCCGGAGAAGGCCGCTGCCCCAGCCCGTTCTTCCGATGACAGTGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR226713 protein sequence  
 Red=Cloning site Green=Tags(s)

MYKETVYSAFNLLMPYPASGAGQHPQPPLHNKPGQPPHGVPQLSPLYEHFSSPHPTAPADISQKQG  
 VHRPLQTPDLSGFYSLTSGSMGQLPHTVSWPSPPLYPLSPSCGYRQHFPAPTAAPGAPYPRFTHPSMLLG  
 SGVPGHPAAIHPAIVPSSGKQELQPYDRNLKTQAEPKAEKEAKKPVIKKPLNAFMLYMKEMRAKVIAC  
 TLKESAAINQILGRRWHALSREEQAKYELARKERQLHMQLYPGWSARDNYGKKRRRSREKHQESTTGGK  
 RNAFGTYPEKAAAAPFLPMTVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_009331

**ORF Size:** 909 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_009331.1](#)

**RefSeq Size:** 2238 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 21414

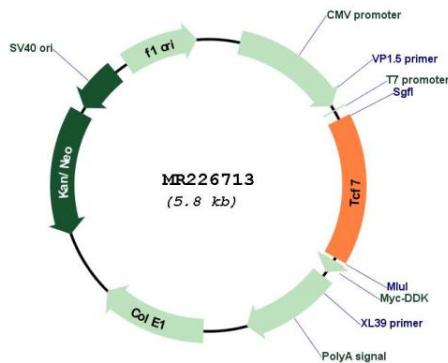
**UniProt ID:** [Q00417](#)

**Cytogenetics:** 11 31.86 cM

**MW:** 33.6 kDa

**Gene Summary:** This gene encodes a transcription factor which is a member of the T-cell specific transcription factor family. The encoded protein is distinct from the hepatic transcription factor, transcription factor 1, which is also referred to by the symbol Tcf1. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Sep 2015]

### Product images:



Circular map for MR226713