

Product datasheet for **MG226713**

Tcf7 (NM_009331) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tcf7 (NM_009331) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tcf7
Synonyms: AI465550; TCF-1; Tcf1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226713 representing NM_009331
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACAAAGAGACTGTCTACTCTGCCTTCAATCTGCTCATGCCCTACCCACGGCCTCGGGAGCAGGGC
 AGCATCCGCAGCCTCAACCCCGCTGCATAACAAGCCCGCCAGCCTCCACATGGCGTCCCCAGCTTTC
 TCCACTTACGAACATTTACGAGTCCACACCCACCCCTGCACCAGCGGACATCAGCCAGAAGCAAGGA
 GTTCACAGGCCGCTGCAGACCCCGATCTCTGGATTTATTCTCTGACCTCAGGCAGCATGGGACAGC
 TCCCCATACTGTGAGCTGGCCAGTCTCTCTACCCCTGTCCCCTTCTCGGGATATAGACAGCA
 CTCCCTGCCCCACTGCAGCCCTGGCGCCCTATCCCAGGTTACCCACCCATCCTTGATGCTGGGA
 TCTGGTGTACCTGGACACCCAGCAGCCATCCCTCACCCGGCCATTGTGCCCTCCTCAGGGAAGCAGGAGC
 TGCAGCCATATGATAGAAACCTGAAAACACAGGCAGAACCAAGGCAGAGAAGGAGGCTAAGAAGCCAGT
 CATCAAGAAACCCCTCAATGCGTTATGCTTTACATGAAGGAGATGAGAGCCAAGGTCATTGCTGAGTGC
 ACACTCAAGGAGAGCGCTGCCATCAACCAGATCCTGGTTCGAGGTGGCATGCACTATCTCGAGAAGAGC
 AGGCCAAGTACTATGAACTGGCCCGAAGGAAAGGCAGCTGCACATGCAGCTATACCCGGGCTGGTCCGC
 GCGGGATAACTACGGAAGAAGAAGAGGGCGGTCAAGGGAAAAACATCAAGAATCCACCACAGGAGGAAAA
 AGAAATGCATTCGGTACTTACCCGGAGAAGGCCGCTGCCCCAGCCCGTTCTTCCGATGACAGTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226713 representing NM_009331
Red=Cloning site Green=Tags(s)

MYKETVYSAFNLLMPYPASPAGQHPQPPLHNKPGQPPHGVPLSPLYEHFSSPHPTAPADISQKQG
 VHRPLQTPDLSGFYSLTSGSMGQLPHTVSWSPPLYPLSPSCGYRQHFPAPTAAPGAPYPRFTHPSMLLG
 SGVPGHPAAIHPAIVPSSGKQELQPYDRNLKTQAEPKAEKEAKKPVIKKPLNAFMLYMKEMRAKVIAC
 TLKESAAINQILGRRWHALSREEQAKYELARKERQLHMQLYPGWSARDNYGKKRRRSREKHQESTTGGK
 RNAFGTYPEKAAAPAPFLPMTVL

TRTRPLE - GFP Tag - V

Restriction Sites:

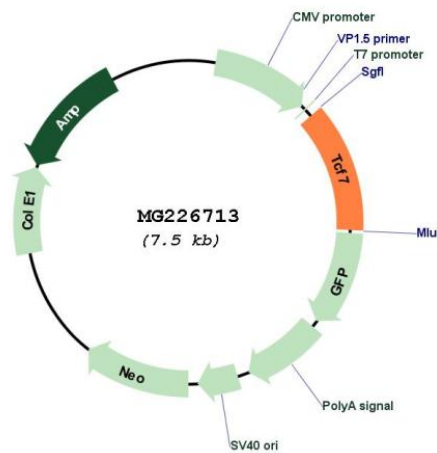
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<ol style="list-style-type: none">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_009331.1
RefSeq Size:	2238 bp
RefSeq ORF:	912 bp
Locus ID:	21414
UniProt ID:	Q00417
Cytogenetics:	11 31.86 cM
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]