

Product datasheet for **MR224188**

Tcf7l2 (NM_001142924) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tcf7l2 (NM_001142924) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tcf7l2
Synonyms: Tcf-4; Tcf4; TCF4B; TCF4E
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224188 representing NM_001142924
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCAACAAAGTACCGGTGGTGCAACACCCCCACCATGTCCACCCACTCAGCCTCTCATCACGTACA
GCAATGAACACTTCACCCCGGAAATCCACCTCCGCACTACCAGCTGACGTAGACCCCAAACAGGAAT
CCCAAGGCCTCCGACCCCTCCAGATATCTCTCCATATTACCCGCTGTCGCCGGCACCGTAGGACAAATC
CCCCATCCGCTAGGATGGTTAGTACCACAGCAAGGTCAGCCTGTGTACCCAATCACGACAGGAGGATTCA
GACACCCCTACCCACAGCGCTGACAGTCAACGCATCTATGTCTAGGTTCCCTCCCATATGGTCCCTCC
CCATCACACTCTGCACACGACCGGCATCCCTCACCCGGCCATCGTCACACGACAGTCAAGCAGGAATCC
TCCCAGAGTGACGTCCGCTCACTCCACAGCTCAAAGCATCAGGACTCCAAAAAGGAAGAAGAAGAAGA
AGCCCCACATAAAGAAGCCCTTAATGCATTATGTTGTATATGAAAGAGATGAGAGCGAAGGTGGTGGC
CGAATGCACATTGAAAGAGAGTGCAGCCATCAACCAGATTCTCGGGCGCAGGTGGCACGCCCTGTCCAGG
GAAGAACAGGCAAAATACTACGAGCTGGCCGGAAGGAACGACAGCTTCACATGCAGCTGTACCTGGCT
GGTCTGCACGGGATAACTATGGGAAGAAGAAGAAGAAAAAGAGACAAGCAGCCGGGGAAACCAACGA
ACACAGCGAATGTTTCCTAAATCCTTGCCTTTCGCTTCCGATCACAGACCTGAGCGCTCCTAAGAAA
TGCCGAGCGCGCTTTGGCCTTGATCAACAGAATAACTGGTGCGGCCCTGCAGTCTT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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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_001142924.2](#)

RefSeq Size: 3465 bp

RefSeq ORF: 900 bp

Locus ID: 21416

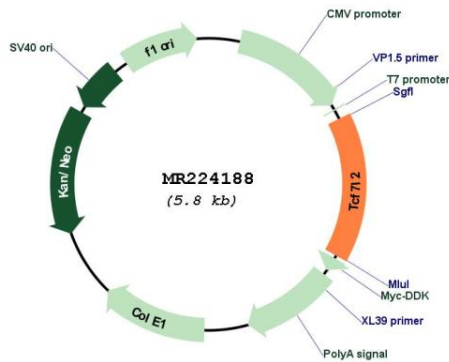
UniProt ID: [Q924A0](#)

Cytogenetics: 19 51.59 cM

MW: 34.2 kDa

Gene Summary: Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif CCTTTGATC in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1 (By similarity). Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224188