

Product datasheet for **RC208913**

TCF7L1 (NM_031283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF7L1 (NM_031283) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCF7L1
Synonyms:	TCF-3; TCF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208913 representing NM_031283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCCAGCTCGGCGGGGGGGCGGCGCGCGCGCGGCGAGCGGGGAGCGGCGGCTCCAGCGCCG
GGCGGGCGGCGAGGGGACGACCTCGGGCGAACGACGAGCTGATCCCCCTCCAGGACGAGGGGGCGA
GGAGCAGGAGCCGAGCAGCGATAGCGCCTCGGCGCAGCGGGACCTAGACGAGGTCGAGTCCCTGGT
AACGAGTCGGAGAACCAGAGCAGCAGCTCGGACTCGGAGGCGGAGAGCGCCCGAGCCCGTCCGGGACA
CTTCCAGAAGCCCGGGACTATTTCCGCGAAGTGAAGGCCTCAGGACAGCGGTTCTTTAAAGGACC
CCCGTACCCTGGTACCCTTCTGATGATCCCGGACCTGAGCAGCCGTACCTCTCCAACGACCCTG
TCTCCCGAGGAGCGGCACCTACCTGCAGATGAAATGGCCCTCCTCGATGTCCCTCCAGCGCCACAG
TCAAGGACACGAGGTCACCATCTCCAGCACACTGTCTAATAAAGTTCCTGTCGTTCCAGCACCCGATCA
CATGCATCCGCTGACTCCCTCATCACCTACAGCAATGACCACTTCTCCCGGGCTCCCTCCACCCAC
CTCTCCCAAGAGATCGATCCAAAGACAGGAATCCCCCGGCCCTCACCCATCCGAGCTGTACCGTATT
ACCCACTCTCTCCCGAGCTGTCCGACAAATCCCCACCCCTCGGCTGGCTCGTCCCACAGCAAGGCCA
GCCCATGTACTCCCTTCCCTCCGGTGGCTTCCGGCACCTTACCCCGCCCTCGCCATGAACGCTCGATG
TCCAGCTGGTCTCCAGTCGGTCTCTCCCTCACATGGTGGCTCCTGCCACCCCTGGCCTGCCACCTCAG
GGATCCCCACCCCTGCCATCGTCTCCCCATCGTCAAGCAGGAACCGGCACCCCCAGCCTGAGCCCTGC
AGTGAGCGTGAATCACCAGTACCCTGAAAAAGGAGGAGGAAAAAGAAGCCACGTGAAGAAGCCTCTG
AATGCCTCATGTTGTATATGAAGGAGATGAGGGCCAAAGTGGTGGCTGAGTGCACCCTGAAGGAAAGT
CAGCCATAACCAAGATCCTTGGAAAGAAAGTGCCACAACCTGTCTCGAGAAGAAGCAGGCAAGTACTACA
GCTGGCCCGGAAGGAGCGGCAGCTTCACTCGCAGCTTACCCAACTGGTTCAGCCCGGACAACATGTT
AAGAAAAAGAAGAGGAAGAGAGAAAAAGCAGCTGTCCAGACACAGTACAGCAGCAAGTCCAGGAGCGAG
AGGGTGCCTGGCCTCCAAGAGCAAGAAGCCATGTGTTACAGTACCTGCCCCCGAGAAGCCTGTGACAG
CCCTGCCTCCTCCACGGGAGCATGCTGGACTCCCGGCCACTCCCTCTGCAGCTTTGGCCTCACCAGCT
GCCCTGTGCCACCCATTCCGAGCAAGCCAGCCCTCTCCCTCACCACCAAACAGAAAACCCGGGCC
AGCTGGCTCTCCACTCTGCCCTTCTGTGCGCTAAGGCTGCAGCTCCTCTCTGGGCAGATGGGCGAG
CCAGCTCCCTCTGTCCCGCCCTCCCTTGGGTCCATGCCACAGCTCTGCTGGCCTCTCCCGG
TCCTTCCCGGCCAGCTCCATGCCACCAAGCCCTCCCGGTGCTACAGGCCAGCCTCTTCCCTGGTCA
CCAAGTCTGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC208913 representing NM_031283
Red=Cloning site Green=Tags(s)

MPQLGGGGGGGGGGSSAGAAAGGDDLGADELIPFQDEGGEEQEPSSDSASAQRDLDEVKSSLV
NESENQSSSSDSEAERRPQVPRDTFQKPRDYFAEVRPQDSAFFKGPPYPGYPFLMIPDLSPPYL
SPGGARTYLQMKWPLLDVPSSATVKDTRSPSPAHL
SNKVPVVQHPHMHPLTPLITYSNDHFSPGSPPTH
LSPEIDPKTGIPRPPHSELSPYYPLSPGAVGQIPHPLGWLVPQQGQPMYSLPPGGFRHYPALAMNASM
SSLVSSRFSPHMVAPAHPLPTSGIPHPAIVSPIVKQEPAPPSLSPAVSVKSPVTVKKEEEKPHVKKPL
NAFMLYMKEMRAKVVAECTLKESAAINQILGRKWHNLSREEQAKYYELARKERQLHSQLYPTWSARDNYG
KKKKRKREKQLSQTQSQQVQEAEGALASKKPCVQYLPPEKPCDPSASSHGSMLDSPATPSAALASPA
APAATHSEQAQPLSLTTKPETRAQLALHSAFLSAKAAASSSQMGSQPPLLSRPLPLGSMPTALLASPP
SFPATLHAHQALPVLQAQPLSLVTKSAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8113_h10.zip

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_031283.3](#)

RefSeq Size: 2932 bp

RefSeq ORF: 1767 bp

Locus ID: 83439

UniProt ID: [Q9HCS4](#)

Cytogenetics: 2p11.2

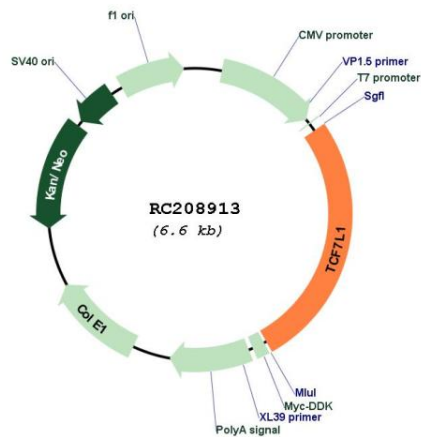
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Acute myeloid leukemia, Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Basal cell carcinoma, Colorectal cancer, Endometrial cancer, Melanogenesis, Pathways in cancer, Prostate cancer, Thyroid cancer, Wnt signaling pathway

MW: 62.6 kDa

Gene Summary: This gene encodes a member of the T cell factor/lymphoid enhancer factor family of transcription factors. These transcription factors are activated by beta catenin, mediate the Wnt signaling pathway and are antagonized by the transforming growth factor beta signaling pathway. The encoded protein contains a high mobility group-box DNA binding domain and participates in the regulation of cell cycle genes and cellular senescence. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC208913