

Product datasheet for **RC234152**

TCF7L2 (NM_001198527) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF7L2 (NM_001198527) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCF7L2
Synonyms:	TCF-4; TCF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234152 representing NM_001198527
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGACGTGAACGGCGGTGGAGGGGATGACCTAGGCGCCAACGACGAACTGATTTCTTCAAAGACG
 AGGGCGAACAGGAGGAGAAGAGCTCCGAAAACCTCTCGGCAGAGAGGGATTTAGCTGATGTCAAATCGTC
 TCTAGTCAATGAATCAGAAACGAATCAAAAACAGCTCCTCCGATTCGAGGCGGAAAGACGGCCTCCGCC
 CGCTCCGAAAGTTTCCGAGACAAATCCCGGAAAGTTTGAAGAAGCGGCAAGAGGCAAGATGGAGGGC
 TCTTTAAGGGGCCACCGTATCCCGGCTACCCCTTCATCATGATCCCCGACCTGACGAGCCCTACCTCCC
 CAACGGATCGCTCTCGCCACCGCCGAACCTATCTCCAGATGAAATGGCCACTGCTTGTGTCCAGGCA
 GGGAGCCTCCAGAGTAGACAAGCCCTCAAGGATGCCCGGTCCCATCACCGGCACACATTGTCTTAACA
 AAGTGCCAGTGGTGCAGCACCCCTCACCATGTCCACCCCTCACGCCTTTATCACGTACAGCAATGAACA
 CTTACGCGGGAAACCCACCTCCACACTTACCAGCCGACGTAGACCCAAAACAGGAATCCACGGCCT
 CCGCACCTCCAGATATATCCCGTATTACCCACTATCGCTGGCACCGTAGGACAAATCCCCATCCGC
 TAGGATGGCAAGGTCAACCAGTGTACCCATCACGACAGGAGGATTCAGACACCCCTACCCACAGCTCT
 GACCGTCAATGCTTCCATGTCCAGGTTCCCTCCCATATGGTCCCACCACATCATACGCTACACAGCAGC
 GGCATTCGCAATCCGGCCATAGTCACACCAACAGTCAAACAGGAATCGTCCCAGAGTGTGTCCGGCTCAC
 TCCATAGTTCAAAGCATCAGGACTCCAAAAAGGAAGAAGAAAGAAGAGCCCAATAAAGAAACCTCT
 TAATGCATTATGTTGTATGAAGGAAATGAGAGCAAAGGTCGTAGCTGAGTGCACGTTGAAAGAAAGC
 GCGGCCATCAACCAGATCCTTGGGCGGAGGTGGCATGCACTGTCCAGAGAAGAGCAAGCGAAATACTACG
 AGCTGGCCCGGAAGGAGCGACAGCTTCATATGCAACTGTACCCCGGCTGGTCCGCGGGGATAACTATGG
 AAAGAAGAAGAAGAGGAAAAGGACAAAGCAGCCGGGAGAGACCAATGAACACAGCGAATGTTTCCTAAAT
 CCTTGCCTTTCACTTCTCCGATTACAGACCTGAGCGCTCCTAAGAAATGCCGAGCGCGCTTTGGCCTTG
 ATCAACAGAATAACTGGTGGCCCTTGCAGTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234152 representing NM_001198527
 Red=Cloning site Green=Tags(s)

MPQLNGGGDDLGANDELISFKDEGEQEEKSSSENSAERDLADVKSSLVNESETNQSSSDSEARRPPP
 RSEFRDKSRESLEEAARKQDGGFLKGGPPYGPYPFIMIPDLTSPYLPNGSLSPARTYLMKWPLLDVQA
 GSLQSRQALKDARSPSPAHIVSNKVPVQHPHHVHPLTPLITYSNEHFTPGNPPHLPADVDPKTGIPRP
 PHPPDISPYYPPLSPGTVGQIPHPLGWQGPVYPIITGGFRHPYPTALTVNASMSRFPHPMVPHTLHTT
 GIPHPAIVTPTVKQESSQSDVGSLSHSSKHQDSKKEEKKKPHIKKPLNAFMLYMKEMRAKVVAECTLKES
 AAINQILGRRWHALSREEQAKYELARKERQLHMQLYPGWSARDNYGKKKKRKRDKQPGETNEHSECFLN
 PCLSLPPIITDLSAPKKCRARFGLDQONNWCGPCSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

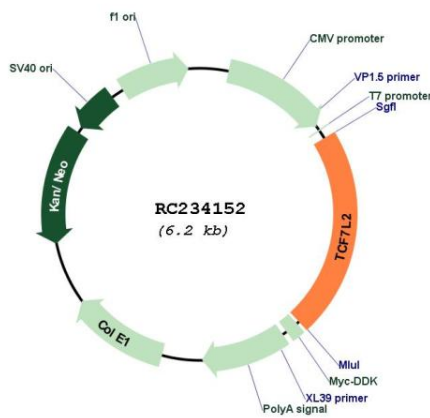
Protein Families: Druggable Genome, Transcription Factors

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: 51.2 kDa

Gene Summary: This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes. Several transcript variants encoding multiple different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]

Product images:



Circular map for RC234152