

Product datasheet for **RC234477**

TCF7L2 (NM_001198526) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | TCF7L2 (NM_001198526) 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:

>RC234477 representing NM_001198526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCAGCTGAACGGCGGTGGAGGGGATGACCTAGGCGCCAACGACGAACTGATTTCTTCAAAGACG
 AGGGCGAACAGGAGGAGAAGAGCTCCGAAAACCTCTCGGCAGAGAGGGATTTAGCTGATGTCAAATCGTC
 TCTAGTCAATGAATCAGAAACGAATCAAAACAGCTCCTCCGATTCGAGGCGGAAAGACGGCCTCCGCCCT
 CGCTCCGAAAGTTTCCGAGACAAATCCCGGAAAGTTTGAAGAAGCGGCCAAGAGGCAAGATGGAGGGC
 TCTTTAAGGGGCCACCGTATCCCGGCTACCCCTTCATCATGATCCCCGACCTGACGAGCCCTACCTCCC
 CAACGGATCGCTCTCGCCACCGCCCGAACCTATCTCCAGATGAAATGGCCACTGCTTGTGTCCAGGCA
 GGGAGCCTCCAGAGTAGACAAGCCCTCAAGGATGCCCGGTCCCCATACCGGCACACATTGTCTTAACA
 AAGTGCCAGTGGTGCAGCACCCCTCACCATGTCCACCCCTCACGCCTTTATCACGTACAGCAATGAACA
 CTTACGCGGGAAACCCACCTCCACACTTACCAGCCGACGTAGACCCAAAACAGGAATCCACGGCCT
 CCGCACCTCCAGATATATCCCGTATTACCCACTATCGCTGGCACCGTAGGACAAATCCCCATCCGC
 TAGGATGGTTAGTACCACAGCAAGGTCAACCAGTGTACCAATACGACAGGAGGATTCAGACACCCCTA
 CCCCACAGCTCTGACCGTCAATGCTTCCATGTCCAGGTTCCCTCCCATATGGTCCCACCACATCATACG
 CTACACACGACGGGCAATCCGCATCCGGCCATAGTCACACCAACAGTCAAACAGGAATCGTCCCAGAGTG
 ATGTCGGCTCACTCCATAGTTCAAAGCATCAGGACTCCAAAAGGAAGAAGAAAGAAAGCCACAT
 AAAGAAACCTCTAATGCATTATGTTGTATATGAAGGAAATGAGAGCAAAGGTCGTAGCTGAGTGCAGC
 TTGAAAGAAGCGCGCCATCAACCAGATCCTTGGCGGAGGTGGCATGCACTGTCCAGAGAAGAGCAAG
 CGAAATACTACGAGCTGGCCCGGAAGGACGACAGCTTCATATGCAACTGTACCCCGGCTGGTCCGCGG
 GGATAACTATGGAAAGAAGAAGAAGAGGAAAGGACAAGCAGCGGAGACCAATGATGCAAATACT
 CCAAAGAAGTGTGCGGCACTGTTGCGGCTTACCAGACAGACTTTATGGTCAAACCGTGCAGGAGAAAA
 AAAAGTGCCTTCCGCTACATACAAGGTGAAGGCAGCTGCCTCAGCCACCCTCTTCAGATGGAAGCTTACT
 AGATTCGCTCCCCCTCCCGAACCTGCTAGGCTCCCTCCCGAGACGCCAAGTCACAGACTGAGCAG
 ACCCAGCCTCTGTCGCTGTCCTGAAGCCGACCCCTGGCCACCTGTCCATGATGCCTCCGCCACCCG
 CCCTCTGCTCGCTGAGGCCACCACAAGGCCTCCGCCCTGTGCCAACGGGGCCCTGGACCTGCCCC
 AGCCGCTTTGAGCCTGCCGCCCTCCTCATCAATTGCACAGCCGTCGACTTCTCTTACATTCCAC
 AGCTCCCTGGCCGGGACCAGCCAGCCGCTGTGCTCGTCACCAAGTCTTAGAA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234477 representing NM_001198526
 Red=Cloning site Green=Tags(s)

MPQLNGGGDDLGANDELSFKDEGEQEEKSENSSAERDLADVKSSLVNESETNQSSDSEAEERRPPP
 RSESFDRKSRESLEEAQRQDGGFLFKGPPYPGYPFIMIPDLTSPYLPNGSLSPARTYLQMKWPLLDVQA
 GSLQSRQALKDARSPSPAHIVSNKVPVQHPHHVHPLTPLITYSNEHFTPGNPPPHLPADVDPKTIIPRP
 PHPPDISPYYPPLSPGTVGQIPHPLGWLVPQQGPVYPIITGGFRHPYPTALTVNASMSRFPHPMVPPHHT
 LHTTGIPHPAIVTPTVKQESSQSDVGLHSSKHQDSKKEEKKKPHIKKPLNAFMLYMKEMRAKVVAECT
 LKESAAINQILGRRWHALSREEQAKYYELARKERQLHMQLYPGWSARDNYGKKKKRKRDKQPGETNDANT
 PKKCRALFGLDRQTLWCKPCRRKKKCVRYIQEGSCLSPSSDGSLLDSPPPSPNLLGSPPRDAKSQTEQ
 TQPLSLSLKPDPLAHLSPMPPPALLLAETHKASALCPNGALDLPPAALQPAAPSSSIAQPSTSSLSHS
 SSLAGTQPQPLSLVTKSLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

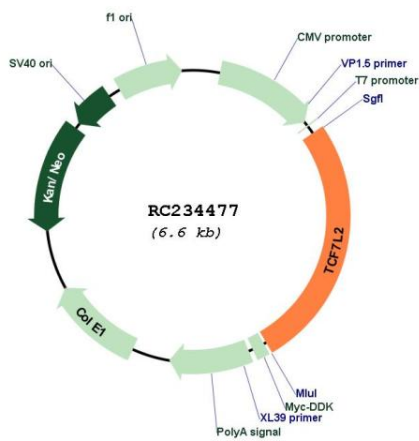
Protein Families: Druggable Genome, Transcription Factors

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: 63.9 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 RC234477