

## Product datasheet for **RR216980**

### Tcf7l2 (NM\_001191052) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf7l2 (NM_001191052) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcf7l2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216980 representing NM\_001191052  
 Red=Cloning site Blue=ORF Green=Tags(s)  
 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGAGTTGAACGGCGGTGGAGGAGATGACCTAGGCGCTAACGACGAACTGATCTCCTTCAAAGACG  
 AAGCGAGCAGGAGGAGAAGAAGCTCGGAAAACCTCGGCGGAGAGGGATTTAGCCGATGTCAAGTCGTC  
 GTTGGTCAATGAATCAGAGACGAATCAAAACAGCTCCTCCGATTCGAGGCGGAAAGACGGCCTCCGCT  
 CGCTCCGAAAGTTCCGAGATAAATCCCGGAAAGTTTGAAGAAGCGGCCAAGAGGCAAGATGGAGGGC  
 TCTTTAAGGGGCCACCGTATCCCGGCTACCCCTTCATCATGATCCCCGACCTGACGAGCCCTACCTCCC  
 CAACGGATCGCTCTCGCCACCCGCCGAACCTCCATTTTCAATCCGGCAGCACTATTACTCTGCGTAC  
 AAAACGATTGAACACCAGATTGCAATTCAGTATCTTCAGATGAAATGGCTCTGCTCGATGTCCAAGCAG  
 GAAGCCTCCAGAGCAGACAAGCCCTCAAGGATGCCCGCTCACCTTCGCCAGCACACATCGTTTCGAACA  
 AGTGCCGGTGGTGCAGCACCCCAACCATGTCCACCCACTCACACCTCTCATCACGTACAGCAATGAACAC  
 TTCACCCCGGAAATCCACCTCCGCACTTACCAGCTGACGTAGACCCCAAAACAGGAATCCACGGCCTC  
 CGCACCTCCAGATATCTCTCCATATTACCCGCTGTGCGCCGGCACCGTAGGACAAATCCCCATCCGCT  
 AGGATGGTTAGTACCACAGCAAGGTGAGCCTGTGTACCCAATCACGACAGGAGGATTCAGACACCCCTAC  
 CCCACAGCGCTGACAGTCAACGCGTCTATGTCTAGGTTCCCTCCCCACATGGTCCCTCCCCATCACACT  
 TGCACACGACCGGAATCCCCACCCGGCCATTGTACACCCGACAGTCAAGCAGGAGTCTCACAGAGTGA  
 CGTCGGCTCACTCCATAGCTCAGATCTCCATGAGAAGAAAAGCCCCACATAAAGAAGCCCTTAATGCA  
 TTCATGTTGTATATGAAGGAGATGAGAGCGAAGGTGGTGGCTGAGTGCACATTGAAAGAGAGTGCAGCCA  
 TCAACAGATCCTCGGGCGCAGGTGGCAGCCCTGTCCAGGGAAGAACAGGCAAGTACTACGAGCTAGC  
 CCGGAAGGAACGACAGCTTCACATGCAGCTGTACCCTGGCTGGTCTGCACGGGATAACTATGAAAAGAG  
 AAGAAGAGAAAAAGAGACAAGCAGCCGGGGGAGACCAATGATGCAAACTCCAAAAGAGTGTGCGGCAC  
 TGTTCCGGCTTGACCGACAGACTTTATGGTGCAAAACCTGCAGGAGAAAAAAAAGTGCCTTCGCTACAT  
 ACAAGGTGAAGGCAGCTGCCTCAGCCCACCTCTTCAGATGGAAGCTTACTAGACTCACCTCCCCCTCA  
 CCGCATCTGCTAGGCTCCCTCCCCAAGACGCCAAGTACAGACTGAGCAGACACAGCCGCTCTCGCTGT  
 CCCTGAAGCCTGATCCTCTGGCCACCTGTCCATGATGCCTCCACCACCCGCGCTCTGCTGGCTGAAGC  
 TGCCCACGGCAAGGCCTCTGCCCTCTGTCCCAACGGGGCCTGGACCTGCCACCTGCCACTTTCAGCCG  
 TCCATGGTCCCTTCTCATCGCTCGCACAACTCAACTTCTTCTTACATTCCACAACCTCGCTGGCTG  
 GGACGCAACCCAGCCTCTGTCTCTGGTGACCAAGTCTTAGAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

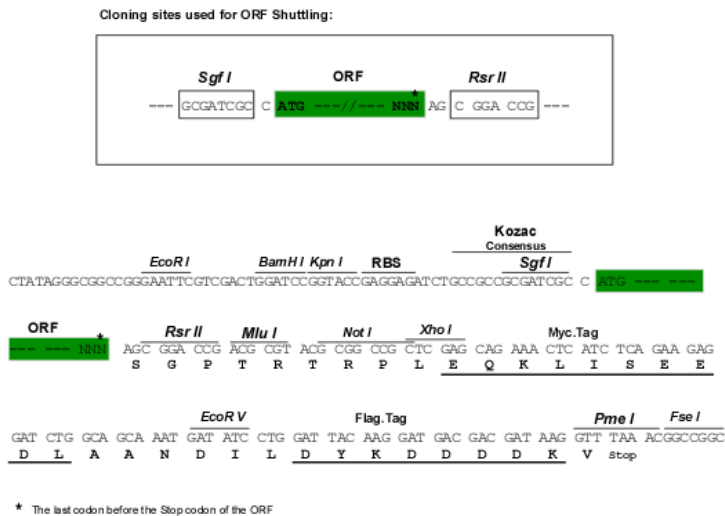
>RR216980 representing NM\_001191052  
 Red=Cloning site Green=Tags(s)  
 MPQLNGGGDDLGANDELISFKDEGEQEENSENSAERDLADVKSSLVNESETNQSSSDSEAERRPPP  
 RSESFDRKSRESLEEAARKRDGGLFKGPPYPGYPFIMIPDLTSPYLPNGSLSPARTLHFQSGSTHYSAY  
 KTIEHQIAIQYLQMKWPLLDVQAGLSQRQALKDARSPSPAHIIVSNKVPVYQHPHHVHPLTPLITYSNEH  
 FTPGNPPHLPADVDPKTIIPRPPHPIDISPYYPSPGTVGQIPHPLGWLVPQQGQPVYPIITGGFRHPY  
 PTALTVNASMSRFPFPHMVPHHHTLHTTGIPHPAIVTPTVKQESSQSDVGLSHSSDLHEKKKPHIKKPLNA  
 FMLYMKEMRAKVVAECTLKESAAINQILGRRWHALSREEQAKYELARKERQLHMQLYPGWSARDNYGKK  
 KKRKRDKQPGETNDANTPKKCRALFGLDRQTLWCKPCRKKKCVRYIQEGESCLSPSSDGLLDSPPPS  
 PHLLGSPPQDAKSQTEQTQPLSLSLKPDPLAHL SMMPPPPALLLAEAAHGKASALCPNGALDLPATLQP  
 S MVPSSSLAQPSTSSLHSHNSLAGTQPQLSLVTKSLE

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

Cloning Scheme:



ACCN: NM\_001191052

ORF Size: 1794 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:

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\\_001191052.1](#), [NP\\_001177981.1](#)

RefSeq Size: 4017 bp

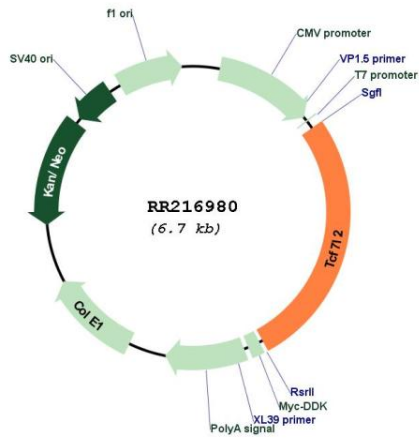
RefSeq ORF: 1797 bp

Locus ID: 679869

Cytogenetics: 1q55

MW: 65.6 kDa

Product images:



Circular map for RR216980