

Product datasheet for **RN212726**

Tcf4 (NM_053369) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf4 (NM_053369) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tcf4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212726 representing NM_053369
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTAGCAGGGATCTTGGGTACATGACAATCTCTCCACCTTTTGCCAATTCAGAATACAAAGTA
 AACAGAAAGGGTTCATCTACTCTTATGGGAGAGAAAACGTACAGGGTTGCCACCAGAGTCTCCTCGG
 AGGGGACATGGATATGGGAACCCAGGAACCTTTTCGCCACCAAACCTGGCTCCAGTACTACCCATAT
 TCCAGCAATAACGCCCGACGGAGGCTCTTACAGTAGTACCATGGAGGTGCAGACAAAGAAAGTCAGAA
 AAGTTCTCCAGGCTTGGCATCTTCAGTCTACGCTCCTTCAGCCAGCACTGCCGACTACAACAGGGACTC
 ACCAGGCTATTCTTCTCAAGCCAGCAGCCAGCACTTTCTCCAGCTCCTTTCATGCAAGATGGCCAT
 CACAGCAGTGACCCTGGAGCTCCTCCAGTGAATGAATCAGCCCGGCTATGGAGGGATGCTAGGCAACT
 CTCATATCCACAGTCTAGCAGTACTGTAGCCTGCATCCACATGAACGTCTGAGCTATCCATCGCACTC
 CTCGGCAGACATCAACTCCAGTCTTCTCCGATGTCCAGTTCATCGAAGTGGCACAACCACTTACAGC
 ACCTCTTCTGACACCTCCTGCCAACGGAACAGACAGTATAATGGCAAACAGAGGAACTGGGGCAGCAG
 GCAGCTCCAGACTGGAGACGCTCTGGGAAAGCCCTGGCTTCGATCTATTCTCCTGATCACACGAACAA
 CAGCTTCTCCTCAACCTTCAACTCCTGTTGGCTCCCCTCCTTCACTCTCAGCAGGCACAGCTGTTTGG
 TCTCGAAACGGAGGACAGGCCTCGTCACTCCCAATTACGAAGGACCCTTGCACTCCTTGACAGAGCCGAA
 TTGAAGACCGTTAGAAAGACTGGACGACGCAATTCATGTTCTCCGGAACCACGCGGTGGGCCATCCAC
 AGCTGTGCCCGGTGGCCATGGGGACATGCATGGGATCATCGGACCCTCTCACAATGGAGCAATGGGCAGT
 CTGGGCTCAGGATATGGAACCTGGCCTTCTCTCAGCCAACAGACATTCACATGGTTCGGGGCCACCGTG
 AAGATGGCGTGGCACTGAGAGGCAGCAATCTCTCCTGCCAACCAAGTTCGGTTCCACAGCTTCCGGT
 CCAGTCTGCAACTTCCCCTGACTTGAACCCACCCCAAGACCCTTACAGAGGGATGCCACCAGGCCTCCAG
 GGACAGAGTGTGTCTTCCGGCAGCTCTGAGATCAAGTCCGACGACGAGGGCGATGAGAACCTACAGGACA
 CAAAATCTTCCGAGGACAAGAACTAGACGACGACAAGAAGGATATCAAATCAATTAAGCAATAACGA
 TGATGAGGACCTGACCCCGGAGCAGAAGGCCGAGCGTGAGAAGGAGCGGAGGATGGCCAATAACGCCCGT
 GAGCGCTGAGGGTCCGTGATATCAACGAGGCTTCAAGGAGCTGGGCCGATGGTACAGCTCCACCTGA
 AGAGCGACAAGCCCCAGACCAAGCTCCTGATTCTCCACCAGGCAGTGGCTGTCATCCTCAGCCTGGAGCA
 GCAAGTGCAGAAAGAACCTGAACCCAAAAGCTGCCTGTCTGAAAAGAAGGGAGGAAGAGAAGGTGTCC
 TCAGAGCCTCCCCGCTCTCCTTGGCTGGCCACACCCTGGGATGGGAGACACAGCGAATCACATGGGTC
 AGAT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053369
Insert Size: 1758 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_053369.1](#), [NP_445821.1](#)

RefSeq Size: 2059 bp

RefSeq ORF: 1758 bp

Locus ID: 84382

UniProt ID: [Q62655](#)

Cytogenetics: 18q12.1

Gene Summary: transcription factor that acts as an enhancer of the rat tyrosine hydroxylase gene [RGD, Feb 2006]