

Product datasheet for **RN217181**

Tfrc (NM_022712) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfrc (NM_022712) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tfrc
Synonyms:	Trfr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217181 representing NM_022712
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGATCAAGCCAGATCAGCATTCTCTAATTGTTTGGAGGGAGCCATTGTATACACCCGGTTTA
 GCCTTGCTCGGCAAGTAGATGGAGATAACAGTCATGTGGAGATGAACTGGCTGCAGATGAGGAAGAAAA
 TGCTGACAGTAACATGAAGGCTAGTGTCAGAAAACCCAAAAGTTTAAATGGAAGACTCTGCTTTGCGACT
 ATTGCAGTAGTCATCTTTTTTTTATTGGATTTATGATCGGCTACCTGGGCTATTGTAAGCGCGTAGAAC
 AAAAGAGGAGTGTGTGAGACTGGCTGAAGCGGAAGAGGCGGACAAGTCAGAAAACGACGAAACAGAATA
 TGTTCTAAATCTTCTCGCTATTTTGGCAGACCTCAAACACTGTTGTCAGAGAAATTGAATCCATA
 GAGTTCAGTACATCAAGCAGCTGAGCCAGAATACATATACTCCTCGTGAGGCTGGATCTCAGAAAG
 ACGAGAATCTTGCTATTATATTGAAAATCTGTTCCATGACTTTAAATTCAGCAAAGTCTGGCGAGATGA
 ACATTATGTGAAGATTCAAGTAAAAACAGTGTCTCAAACCTGGTGACCATAAATTCAGGTAGTAAC
 ATTGACCCAGTGGAGGCTCTGAGGGTTATGTGGCATTAGTAAAGCTGGAGAAGTACTGGTAACTGG
 TCCATGCTAATTTGGCACTAAAAGGACTTTGAAGAATTAATTTATTCTGTGAATGGATCTTTAGTGAT
 TGTTAGAGCAGGAAAAATTACTTTGCAGAAAAGGTTGCAAAATGCCAAAGCTTTAATGCAATGGTGTC
 CTCATCTACATGGACAGGAATACGTTCCCGGTTGTTGAGGCGAGACCTTCAATTTGGACATGCTCATC
 TAGGAAGTGGGGATCCATATACACTGGCTTCCCTTTTCAACCATACTCAGTTCCGCCATCTCAGTC
 ATCTGGATTGCCTTCTACCTGTGCAGACGATCTCAAGAGCTGCTGCAGAAAAGCTATTCAAAAACATG
 GAAGGAAACTGTCCTCCTAGTTGGAATATAGATTCCTCATGTAAGCTGGAACCTTCACAGAATCAAAATG
 TGAAGCTCACTGTGAACAATGACTGAAAGAAAACAAGAATACTTAACATCTTTGGCGTTATTAAGGCTA
 TGAGGAACAGACCGCTACATTGTAGTAGAGCCAGAGAGACGCTTGGGGCCCTGGTGTTCGGAAGTCC
 AGTGTGGGAACAGGTCTTCTGTTGAAACTTGCCCAAGTATTCTCAGATATGATTTCAAAAGATGGATTTA
 GACCCAGCAGGAGTATTATCTTTGCCAGCTGGACTGCAGGAGACTATGGAGCTGTTGGTCCACTGAGTG
 GCTGGAGGGTACCTTTTCATCTTTGCATCTAAAGGCTTTCACCTACATTAATCTGGATAAAGTCGTCCTG
 GGTACTAGCAACTCAAGGTTTCTGCCAGCCCCCTATTATACACTTATGGGGAAGATAATGCAGGACG
 TAAAGCATCCGATTGATGAAAAATCTATATCGAGACAGTAATTGGATTAGCAAAATGAGGAACCTTC
 CTTGGACAATGCTGCATTCCTTTCTTGCAATTCAGGAATCCCAGCAGTTTCTTTCTGTTTTTGTGAG
 GATGAGGACTATCCTTATTTGGGCACTAACTAGATACCTATGAGATATTAATTCAGAAAGTTCCCTCAGC
 TCAACCAATGGTTCGTACAGCAGCAGAGGTGGCCGGTCAAGTTCATTATTAACCTACCCATGACATTGA
 GTTGACCTGGACTATGAGATGTACAACAGCAAACACTGTCATTATGAAGGATCTGAACCAAGTTCAAA
 GCAGATATCAAAGATATGGGTCTAAGTCTACAATGGCTGTATTCTGCTCGTGGAGACTACTCCGTGCTA
 CTTCTAGACTAACAACTGATTTTCATAATGCTGAGAAAACAAACAGATTCGTCATGAGGGAAATCAATGA
 TCGTATTATGAAAGTGGAGTACACTTCTGTCCACCTATGTATCTCCAAGAGAGTCTCCTTTCCGACAC
 ATCTTCTGGGGCTCTGGCTCTCACCCCTCAGCTTTAGTGGAGAACCTGAGACTTCGTCAGAAAAATA
 TCACTGCTTTCAATGAAACGCTCTCAGAAACAGTTGGCCCTGGCTACGTGGACTATTCAGGGAGTTGC
 AAATGCCCTCTGGTGACATTTGGAATATTGACAATGAGTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3111_g07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022712

Insert Size: 2286 bp

OTI Disclaimer:	<p>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.</p> <p>Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).</p>
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_022712.1, NP_073203.1</u>
RefSeq Size:	4805 bp
RefSeq ORF:	2286 bp
Locus ID:	64678
UniProt ID:	<u>Q99376</u>
Cytogenetics:	11q22
Gene Summary:	receptor for transferrin; involved in regulating stellate cell activation [RGD, Feb 2006]