

Product datasheet for **RN205675**

Tfr2 (NM_001105916) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfr2 (NM_001105916) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tfr2
Synonyms:	Trfr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205675 representing NM_001105916
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACAACGTTGGGGTCTACTTCGAAAGTGAACAGTGGTCCCAAGACCCTCTCAGACCATCTACA
 GACGTGTGGAAGGCCCTCAACTGGAGAACCCTAGAGGAGGAAGATAGGGAGGAAGGGGAGGAGCTTCTGC
 CCAATTCTGCCCATGGAACCTAAAGGCCCTGAGCGCTTAGGCTCCTGTCTGGGAGGTCCATTCCCAT
 CCCTGGGCTGCAGCAGGTGAAAAGGCTGCTCCCTATCTGGTCTGACCACCCTGCTAATCTTCACTGGGG
 CCTTCTCTGGGCTACGTGGCCTTTCGAGGGTCTGCCAGGCATGTGGGGACTCTGTGTGGTGGTTGG
 TGAAGATGTCAACTCTGAGGACTCCAGCCGGGGCACGTTGTACTGGAGTGACCTCCAGGACATGTTTCTC
 CGTTCCTTGGGGAGGACGCATGGAGGACACCATCAGGCTGACCAGCCTCCGGGAACCGGTGGCCGGCT
 CAGCCAGAATGGCCACCCTGGTCCAAGACATCCTCGATAAGCTCTCGCCGAGAAGCTGGACCACGTGTG
 GACTGACACGCACTATGTGGGACTTCAGTTCGGGACCCGGCTCACCTAACACCCTGCACTGGGTGGGT
 GCAGACGGGAGCGTCAAAGAGCAGCTACCGCTGGAGGATCCGGAAGTCTACTGTCCCTACAGCGCCACGG
 GCAACGCCACGGCAAGCTTGTGTACGCCCACTACGGGCGGGGAGGACCTGCAGGACCTGAAAGCCAA
 GGACGTGGAGCTGGCCGGCAGCCTCCTGCTAGTGCGTGTGGGATTACAAGCTTCGCCGAGAAGGTAGCC
 ATTGCCAGGACTTTGGGGCCACGGAGTGTGATATACCCTGACCCAGCGGACTTCTCCAAGACCCCC
 ACAAGCCAGGCCCTGTCTAGTGACAGGGCTGTGTATGGACATGTGCACCTGGGAAGTGGGGACCCTTACAC
 GCCTGGCTTCCCGTCTTCAATCAAACCCAGTTCCTCCAGTAGAATCATCGGGGCTTCCAACATCCCT
 GCCACGCCATCAGTGCCGACGTTGCTGATCGCTTGTCTAGGAACTCACAGTCCCGTGGCTCCTCAGG
 AATGGAAGGGTGCCTCTCAGACTCTCGTATCGCTGGGACCTGGGCCAGGCTTACGCCCTTGTGGTCAA
 CAACCACAGAACCCTCTACTCCCATCAGTAACATCTTTGCGTGATCGAGGGCTTCGCAGAGCCAGATCAC
 TATGTCGTTATCGGGGCCAGAGGGATGCCTGGGGCCAGGAGCAGCCAAGTCTGCAGTGGGACTGCCA
 TCCTCCTGGAGCTGGTTCGGACCTTTTCTCCATGGTCAAGAGTGGCTTTAGACCTCGAAGAAGTCTTTT
 GTTCATCAGCTGGGACGGAGGTGACTTTGGCAGCGTGGGAGCCACGGAGTGGTTGGAGGGCTACCTCAGC
 GTGCTACACCTCAAAGCTGTCTGTATGTGAGCCTGGACAACCTCCGTGTTGGGAGACGGCAAATTCATG
 CTAAGACCAGCCCCCTTCTCGTCAGCCTCATTGAGAATATCCTGAAGCAGGTGGATTCCCCTAACACAG
 TGGACAGACACTCTACGATCAAGTGGCATTACCCACCAAGCTGGGATGCTGAAGTATCCAGCCCTG
 CCCATGGACAGCAGCGCATATTCCTTACAGCTTTTGGGGCGTCCCAGCTGTGGAGTTCTCCTTATGG
 AGGACGATAGGGTGTACCCATTCTGCACACGAAGGAGGACACGTATGAGAATCTGCACAAGATGCTGCC
 AGGTGCGCTGCCCGCTGGTCTAGCAGTGGCTCAGCTCGCTGGTCAAGTCTCCTCATCCGACTGAGCCAC
 GATCACCTACTGCCGCTGGACTTCGGCCGCTACGGAGACGTGGTCTCAGGCACATCGGCAACCTTAATG
 AGTTCTCTGGGGACCTCAAGGCGCGGGCTGACCCTGCAGTGGGTGACTCTGCAAGGGGGGACTATAT
 CCGGGCGGGGAGAAGCTGCGGAAGGAGATTTACAGCTCGGAGCAGAGCGATGAGCGTCTGATGCGCATG
 TACAACGTGCGCATCATGAGGGTGGAGTTCTACTTCTGTCCAGTACGTGTGCCGGCCGACTCCCCAT
 TCCGCCACATTTCTAGGCCAAGGCGACCACACTTTGGGTGCCCTGGTGAACACCTACGGATGCTGCG
 CTCCGATGGCTCAGGAGCTGCCCTTCTGGGTTGAGCCAGGTCTGGCTTCCAGGAGAGTCGCTTCCGG
 CGACAGTGGCGCTGCTCAGTGGACGCTACAGGGGCCAGCCAACGCACCTCAGTGGCGACGTTTGAACA
 TCGACAATAACTTT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001105916
Insert Size: 2397 bp

OTI Disclaimer:	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).
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:	NM_001105916.1 , NP_001099386.1
RefSeq Size:	2964 bp
RefSeq ORF:	2397 bp
Locus ID:	288562
UniProt ID:	B2GUY2
Cytogenetics:	12q12
Gene Summary:	Mediates cellular uptake of transferrin-bound iron in a non-iron dependent manner. May be involved in iron metabolism, hepatocyte function and erythrocyte differentiation (By similarity).[UniProtKB/Swiss-Prot Function]