

Product datasheet for **MC203809**

Tfr2 (NM_015799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfr2 (NM_015799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfr2
Synonyms:	Trfr2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013654
 GTCTAGCATGAACCAGGGGAATGTCTAGAAGGCTGGACTGAGGCCAGACTGTGCCCCACCCTTATGGG
 GAATGAGAAACGGCCTAGGTTTCAGGCTGCCTGTGAGGGCTGATAAGGGGCCCTCTAGGGCTCCCACAAAT
 GGTTCATCGGGGTTTTGTGTGTGTGTGTGGACTACTTCAGAGTTTCAGGAGGGGGCACAAGCATGGAG
 CAACGTTGGGGTCTACTTCGGAGAGTGCAACAGTGGTCCCAAGACCCTCTCAGACCATCTACAGACGCG
 TGAAGGCCCTCAGCTGGAGCACCTGGAGGAGGAAGACAGGGAGGAAGGGGCGGAGCTTCTGCCAGTT
 CTGCCCCATGGAACCAAGGCCCTGAGCACTTAGGCTCCTGTCCCGGAGGTCAATCCCATACCCTGG
 GCTGCAGCAGGTCGAAAGGCTGCCCCCTATCTGGTCTGATCACCTGCTAATCTTCACTGGGGCCTTCC
 TCCTAGGCTACGTGGCCTTTCGAGGGTCTGCCAGGCGTGTGGGACTCCGTGTTGGTGGTCGATGAAGA
 TGTCAACCCTGAGGACTCCGGCCGACCACGTTGTACTGGAGCGACCTCCAGGCCATGTTTCTCCGGTTC
 CTTGGGGAGGGCGCATGGAAGACAACATCAGGCTGACCAGCCTCCGGGAACGCGTGGCTGGCTCAGCCA
 GAATGGCCACCCTGGTCCAAGATATCCTCGATAAGCTCTCGGCCAGAAGCTGGACCAGTGTGGACTGA
 CACGCACTACGTGGGACTTCAGTCCCAGATCCGGCTCACGCTAACACCCTGCACTGGGTGGATGCAGAC
 GGGAGCGTCCAGGAGCAGCTACCGCTGGAGGATCCGGAAGTCTACTGTCCCTACAGCGCCACCGGCAACG
 CCACGGCAAGCTGGTGTACGCCACTACGGGCGTTCGGAGGACCTACAGGACCTAAAAGCCAAGGGCGT
 GGAGCTGGCCGGCAGCCTCCTGCTAGTGCAGGTTGGAATTAAGCTTCCGCCAGAAAGGTAGCCGTTGCC
 CAGGACTTTGGGGCTCAAGGAGTGTGATATACCTGACCCTACAGACTTCTCCCAGGATCCCCACAAGC
 CAGGCCTGTCTAGCCACCAGGCTGTGTACGGACATGTGCACCTGGGAACTGGAGACCCTTACACACCTGG
 CTTCCCGTCTTCAATCAAACCCAGTTCCTCCAGTAGAATCATCAGGCCTTCCCAGCATCCCCGCCAG
 CCCATCAGTGTGACATTGTGATCAATTGCTCAGGAACTCACAGGCCCGTGGCTCCCCAGGAGTGGAA
 AAGGTCACCTCTCAGGCTCTCCTTATCGGCTGGGACCTGGGCCGACTTACGCTTGTGGTCAACAACCA
 CAGAGTCTTACCCCATCAGTAACATCTTTCGCGTGCATCGAGGGCTTTCAGAGCCAGATCACTATGTT
 GTCAATTGGGGCCAGAGGATGCATGGGGCCAGGAGCAGCAAGTCTGCAGTGGGGACTGCCACTCCTGC
 TGGAGCTGGTTCGGACCTTCTCTCCATGGTCAGCAATGGGTTTCAGACCTCGAAGAAGTCTTTTGTTCAT
 CAGCTGGGACGGAGGTGACTTTGGCAGCGTGGGAGCCACAGAGTGGTTGGAGGGTACTCTCAGCGTGCTA
 CACCTCAAAGCTGTTGTACTGTGAGCCTGGACAACCTCCGTGTTGGGAGATGGCAAATCCATGCTAAGA
 CCAGCCCCCTTCTCGTCAGCCTCATTGAGAATATCTTGAAGCAGGTGGACTCCCCAACCATAGTGGACA
 GACCCTCTATGAACAAGTGGCACTACCCACCCAGCTGGGATGCTGAAGTATTAGCCCTGCCATG
 GACAGCAGTGCATATTCCTTACAGCCTTTGCGGGGTCCAGCTGTGGAGTTCTCCTTCATGGAGGATG
 ATCGGGTGTACCCATTCTGCACACGAAGGAGGACACATATGAGAATCTGCACAAGATGCTGCGAGGTG
 CCTGCCCGCGTGGTCCAGGCAGTGGCTCAGCTCGCGGGCCAGCTCCTCATCCGACTGAGCCACGATCAC
 CTAAGTGCCTAGACTTCGGCCGCTATGGAGACGTGGTTCAGGCACATCGGCAACCTCAATGAGTCTCT
 CTGGGGACCTCAAGGAGCGCGGGCTGACCTGCAGTGGGTGACTCTGCAAGGGGGGACTACATCCGTGC
 GGCGGAAAAGCTGCGGAAGGAGATTTACAGCTCGGAGCGGAACGATGAGCGTCTGATGCGCATGTACAAC
 GTGCGCATCATGAGGGTGGAGTTCTACTTCTGTCCCAGTATGTGTGCGCCAGCCGACTCCCCATTCGGCC
 ACATTTTCTAGGCCAAGGCGACCACACTTTGGGTGCCCTGGTAGACCACCTGCGGATGCTGCGCGCCGA
 TGGCTCAGGAGCCGCCTTTCGGGTTGACAGCAGGTCTGGGCTCCAGGAGAGTTCGTTCCGGCGCCAG
 CTGGCGTGTCTACCTGGACACTGCAGGGGGCAGCCAACGCTCTCAGTGGCGACGTTTGAACATTGACA
 ATAATTTTGAAGCCAAAAGCCCTCCATGGGCCCCACGTGATTCTCCTTTCTCCCTTTTGTAGTGGTGCA
 GGCAAAGGAGGTGCCTGAGATTGTAACCTATTCTTAACCCCTTGGTCTGCAATGCTGGTGGCGCCATAT
 TTTCTCAGTGTGGTGTGATGCCGTTGCTTACCCAGAAAGCGGTTTTCTCCCATCACAGGCCCTTCTGT
 CTTCAGGAGCAAAGTTCCCCATATCTAGAGACTATCTAGATGCTGGGATCTGATCAGCTCTCTTAGAGAG
 TGAGATGGACAGCGTCATTATTTATGACACATGAGCTACGGTATGTGAGCAGCCAAAGGGGATTAGATG
 TCAATAAACCAATTGTAACCCCTGTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_015799
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:	BC013654 , AAH13654
RefSeq Size:	3001 bp
RefSeq ORF:	2397 bp
Locus ID:	50765
UniProt ID:	Q9JKX3
Cytogenetics:	5 G2
Gene Summary:	<p>Mediates cellular uptake of transferrin-bound iron in a non-iron dependent manner. May be involved in iron metabolism, hepatocyte function and erythrocyte differentiation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus than isoform a. Variants 2, 3, 4, and 5 all encode the same isoform (b).</p>