

Product datasheet for **MC229032**

Tfr2 (NM_001289507) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfr2 (NM_001289507) Mouse 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: >MC229032 representing NM_001289507
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAAACGGCCTAGGTT**CAGGCTGCCTGTCAGGGCTGATAAGGGGCCCTCTAGGGCTCCCACAACCGG**
 TTTATCGGGGTTTTGTGTGTGTGTGTGGACTACTTGCAGAGTTCAGGAGGGGGCACAAGCATGGAGCA
 ACGTTGGGGTCTACTTCGGAGAGTGCAACAGTGGTCCCAAGACCCTCTCAGACCATCTACAGACGCGTG
 GAAGGCCCTCAGCTGGAGCACCTGGAGGAGGAAGACAGGGAGGAAGGGCGGAGCTTCTGCCAGTTCT
 GCCCATGGAAC**CAAAGGCCCTGAGCACTTAGGCTCCTGTCCCGGGAGGTCAATCCCATAACCTGGGC**
 TGCAGCAGGTCGAAAGGCTGCCCCATCTGGTCTGATCACCTGCTAATCTTACTGGGGCTTCTCTC
 CTAGGCTACGTGGCCTTTCGAGGGTCTGCCAGGCGTGTGGGACTCCGTGTTGGTGGTCGATGAAGATG
 TCAACCTGAGGACTCCGGCCGACACGTTGTACTGGAGCGACCTCCAGGCCATGTTTCTCCGTTCTCT
 TGGGGAGGGGCGCATGGAAGACACCATCAGGCTGACCAGCCTCCGGGAACGCGTGGCTGGCTCAGCCAGA
 ATGGCCACCCTGGTCCAAGATATCCTCGATAAGCTCTCGCGCCAGAAGCTGGACCACGTGTGGACTGACA
 CGCACTACGTGGGACTTCAGTCCAGATCCGGCTCACGCTAACACCCTGCACTGGTGGATGCAGACGG
 GAGCGTCCAGGAGCAGCTACCGCTGGAGGATCCGGAAGTCTACTGTCCCTACAGCGCCACCGGCAACGCC
 ACGGGCAAGCTGGTGTACGCCACTACGGGCGGTGGAGGACCTACAGGACCTAAAAGCCAAGGGCGTGG
 AGCTGGCCGGCAGCCTCTGCTAGTGGAGTGGAAATTAAGCTTCCGCCAGAAGTAGCCGTTGCCCA
 GGACTTTGGGGCTCAAGGAGTGTGATACCTTGACCCATCAGACTTCTCCAGGATCCCACAAGCCA
 GGCTGTCTAGCCACCAGGCTGTGTACGGACATGTGCACCTGGAACTGGAGACCCTTACACACCTGGCT
 TCCCGTCTTCAATCAAACCCAGTCCCTCCAGTAGAATCATCAGGCCCTCCAGCATCCCCGCCACGCC
 CATCAGTGTGACATTGCTGATCAATTGCTCAGGAAACTCACAGGCCCGGTGGCTCCCGAGGAGTGAAAA
 GGTACCTCTCAGGCTCTCCTTATCGGCTGGGACTGGGCCGACTTACGCTTGTGGTCAACAACCACA
 GAGTCTTACCCCATCAGTAACATCTTTCGCTGCATCGAGGGCTTTCAGAGCCAGATCACTATGTTGT
 CATTGGGGCCAGAGGGATGCATGGGGCCAGGAGCAGCAAGTCTGAGTGGGGACTGCCATCTGCTG
 GAGCTGGTTCGGACCTTCTTCCATGGTCAAGTGGGTTGAGACCTCGAAGAAGTCTTTTGTTCATCA
 GCTGGGACGGAGGTGACTTTGGCAGCGTGGGAGCCACAGAGTGGTGGAGGGCTACCTCAGCGTGTACA
 CCTCAAAGCTGTTGTGTACGTGAGCCTGGACAACCTCCGTGTTGGGAGATGGCAAATCCATGCTAAGACC
 AGCCCCCTTCTGTCAGCCTCATTGAGAATATCTTGAAGCAGGTGGACTCCCCTAACCATAGTGGACAGA
 CCCTCTATGAACAAGTGGCACTACCCACCCAGCTGGGATGCTGAAGTGATTACGCCCTGCCATGGA
 CAGCAGTGCATATTCCTTACAGCCTTTGCGGGGTCCAGCTGTGGAGTTCCTTTCATGGAGGATGAT
 CGGGTGTACCCATTCTGCACACGAAGGAGGACACATATGAGAATCTGCACAAGATGCTGCGAGGTGCGC
 TGCCCGCGGTGGTCCAGGCAGTGGCTCAGCTCGCGGGCCAGCTCCTCATCCGACTGAGCCACGATCACT
 ACTGCCCTAGACTTCGGCCGCTATGGAGACGTGGTCTCAGGCACATCGGCAACCTCAATGAGTCTCT
 GGGGACCTCAAGGAGCGCGGGCTGACCTGCAGTGGTGTACTCTGCAAGGGGGACTACATCCGTGCGG
 CGGAAAAGCTGCGGAAGGAGATTTACAGCTCGGAGCGGAACGATGAGCGTCTGATGCGCATGTACAACGT
 GCGCATCATGAGGGTGGAGTTCTACTTCTGTCCAGTATGTGTCGCCAGCCGACTCCCATTCCGCCAC
 ATTTTCTAGGCCAAGGCGACCACACTTTGGGTGCCCTGGTAGACCACCTGCGGATGCTGCGCGCCGATG
 GCTCAGGAGCCGCTTCTCCCGTTGACAGCAGGTCTGGGCTTCCAGGAGAGTCGCTTCCGGCGCCAGCT
 GCGCTGCTCACCTGGACTGCAGGGGCGAGCCAACGCTCTCAGTGGCGACGTTTGAACATTGACAAT
 AACTTT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001289507
Insert Size: 2529 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).
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_001289507.1, NP_001276436.1</u>
RefSeq Size:	3578 bp
RefSeq ORF:	2529 bp
Locus ID:	50765
UniProt ID:	<u>Q9JKX3</u>
Cytogenetics:	5 G2
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. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (a).