

Product datasheet for **MR210529**

Tfrc (NM_011638) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfrc (NM_011638) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfrc
Synonyms:	2610028K12Rik; CD71; E430033M20Rik; Mtv; Mtvr; Mtvr1; p9; p90; TFR; TFR1; TR; Trfr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR210529 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGATCAAGCCAGATCAGCATTCTCTAATTGTTTGGTGGGAACCATTGTATACACCCGGTTTA
 GCCTTGCTCGGCAAGTAGATGGAGATAACAGTCATGTGGAGATGAACTGGCTGCAGATGAAGAAGAAAA
 TGCCGACAATAACATGAAGGCTAGTGTCAGAAAACCAAGAGTTTAAATGGAAGACTCTGCTTTGCAGCT
 ATTGCACTAGTCATTTTCTTCTGATTGGATTCATGAGTGGCTACCTGGGCTATTGTAAGCGTGTAGAAC
 AAAAGAGGAGTGTGTGAACTGGCTGAAACGGAGGAGACAGACAAGTCAGAAACCATGGAACAGAGGA
 TGTTCTACATCATCTCGCTTATATTGGGCAGACCTCAAAACACTGTTGTCAGAGAAGTTGAACTCCATA
 GAGTTTGCTGACACCATCAAGCAGCTGAGCCAGAATACATACACTCCTCGTGAGGCTGGATCTCAAAAAG
 ATGAAAGTCTTGCTATTATATTGAAAAACAGTCCATGAATTTAAATTCAGCAAAGTCTGGCGAGATGA
 AACTATGTGAAGATTCAAGTAAAAGCAGCATTGGTCAAACATGGTGACCATAGTGCAGTCAAATGGT
 AACTTAGACCCAGTGGAGTCTCCCGAGGGTTATGTGGCATTTCAGTAAACCTACAGAAGTTTCTGGTAAAC
 TGGTCCATGCTAATTTTGGCACTAAAAGGACTTTGAAGAAGTAAAGTTATTCTGTGAATGGATCTTTAGT
 GATTGTTAGAGCAGGGGAAATTAATTTTGCAGAAAAGGTTGCAAAATGCCCAAAGCTTTAATGCAATGGT
 GTCCTCATATACATGGACAAGAAATAAATCCCCGTTGTTGAGGCAGACCTTGCACTCTTTGGACATGCTC
 ATCTAGGAACTGGTGATCCATACACACCTGGCTTTCCTTCTTTCAATCATACTCAGTTTCCGCCATCTCA
 GTCATCAGGGTTGCCTAATATACCTGTGCAAAACATCTCAAGAGCTGTCGAGAAAAGCTATTTGGAAAA
 ATGGAAGGAAGCTGTCTGTAGATGGAACATAGATTCTCATGTAAGCTGGAACCTTTCACAGAATCAAA
 TTATGAGGAACCCAGACCGTTATGTTGTAGTAGGAGCCAGAGAGACGCTTTGGGTGCTGGTGTTCGGCG
 AAGTCCAGTGTGGGAACAGGTCTTCTGTTGAAACTTGCCCAAGTATTCTCAGATATGATTTCAAAGATG
 GATTTAGACCCAGCAGAAGTATAATCTTGGCAGCTGGACTGCAGGCGACTTTGGAGCTGTTGGTCCAC
 TGAGTGGTTGGAGGGATACCTTTCATCTTGCATTTAAAAGCTTTCACTTATATTAATTTGGATAAAGTT
 GTCCTTGGTACTAGTAACTTCAAAGTTTCTGCCAGCCCTTATTATATACACTTATGGGAAAAGATAATGC
 AAGATGTAAGCATCCAGTTGATGGAATACTCTATATAGAGACAGCAATTGGATTAGCAAAGTTGAGAA
 ACTTTCTTTGACAATGCTGCATATCCTTCTTGCATATTCTGGAATCCAGCAGTTTCTTTTGTGTTT
 TGTGAGGATGCAGACTATCCTTATTTGGCACTAGATTGGATACCTATGAGGCATTGACTCAGAAAGTTC
 CTCAGCTCAACCAATGGTTTCGTACAGCAGCGGAAGTGGCTGGTCAAGTCAATTTAAACTTACCCATGA
 CGTTGAATTGAACCTGGACTATGAGATGTATAACAGCAAACACTACTGTCATTTATGAAGGATCTGAACCAG
 TTCAAACAGATATCAGGGATATGGGTCTAAGTCTACAGTGGCTGATTTCCGCTCGTGGAGACTACTTCC
 GTGCTACTTCTAGACTAACAAGTATTTTATAATGCTGAGAAAACAAACAGATTTGTCATGAGGGAAAT
 CAATGATCGTATTATGAAAGTGGAGTATCACTTCTGTGCCCCTATGTATCTCCAAGAGAGTCTCCTTTC
 CGACATATCTTGGGGCTCTGGCTCTCACACTCTCAGCTTTAGTGGAGAAGTGAAGCTTCGTCAA
 AAAATATTACTGCTTTTAAATGAAACCCTTTCAGAAACCAAGTTGGCCCTGGCTACTTGGACTATTCAGGG
 AGTCGCAATGCCCTCTCTGGTGACATTTGGAATATTGACAATGAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210529 protein sequence
 Red=Cloning site Green=Tags(s)

MMDQARSFAFNLFGGEPLSYTRFSLARQVDGDNHVMKLAADDEENADNNMKASVRKPKRFNGRLCFAA
 IALVIFFLIGFMSGYLGYCKRVEQKEECVKLAETEETDKSETMETEDVPTSSRLYWADLKTLLSEKLSNI
 EFADTIKQLSQNTYTPREAGSQKDESLAYYIENQFHEFKFSKVWRDEHYVKIQVKSIGQNMVTIVQSNG
 NLDPVESPEGYVAFSKPTEVSGKLVHANFGTKKDFEELSYSVNGSLVIVRAGEITFAEKVANAQSFNAIG
 VLIYMDKNKFPVVEADLALFGHAHLGTGDPYTPGFPSFNHTQFPSPQSSGLPNIPVQTI SRAAAEKLF GK
 MEGSCPARWNIDSSCKLELSQNQNVKLI VKNVLKERRILNIFGVIKGYEEPDRYVVGAQRDALGAGVAA
 KSSVGTGLLLKLAQVSDMISKDGFPRRSIIFASWTAGDFGAVGATEWLEGYLSSLHLKAFETYINLDKV
 VLGTSNFKVSASPLL YTLMGKIMQDVKHPVDGKSLYRDSNWISKVEKLSFDNAAYPFLAYSGIPAVSFCF
 CEDADYPYLGTRLDTYEALTQKVPQLNQMVRTAAEVAGQLI IKL THDVELNLDYEMYSKLLSFMKDLNQ
 FKTDIRDMGLSLQWLYSARGDYFRATSRLTTDFHNAEKTNR FVMREINDRIMKVEYHFLSPYVSPRESPF
 RHIFWGS GSHTLSALVENLKL RQKNITAFNETLFRNQLALATWTIQGVANALSGDIWNIDNEF

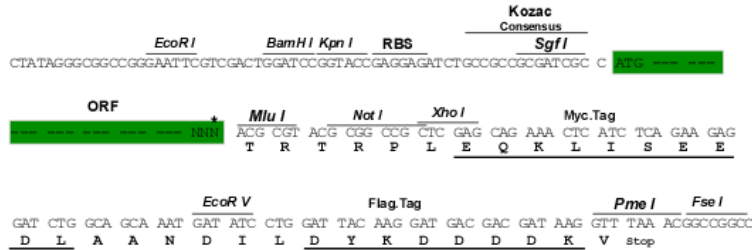
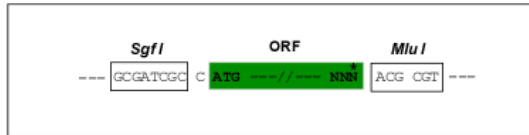
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



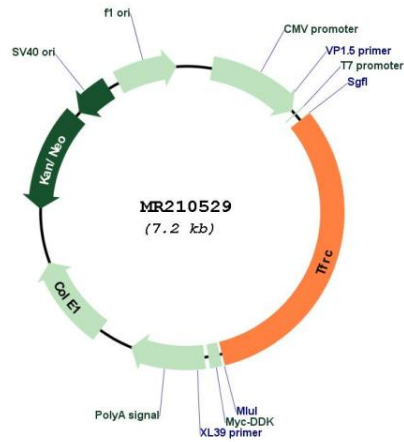
* The last codon before the Stop codon of the ORF

ACCN: NM_011638

ORF Size: 2292 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>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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_011638.4
RefSeq Size:	4920 bp
RefSeq ORF:	2292 bp
Locus ID:	22042
UniProt ID:	Q62351
Cytogenetics:	16 23.06 cM
MW:	85.7 kDa
Gene Summary:	<p>This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Mice that are deficient in this receptor show impaired erythroid development and abnormal iron homeostasis. [provided by RefSeq, Sep 2015]</p>

Product images:



Circular map for MR210529