

Product datasheet for **MC204254**

Frrs1 (NM_009146) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frrs1 (NM_009146) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Frrs1
Synonyms:	Al131732; Sdfr2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC027770
 CCACGCGTCCGCGGACGCGTGGGTCAAGATCTCATGGATCACGTAGTCTAGGCTGGCTTCAGATTTGCTG
 TGTGGCTGAGGATGACCTTGGACCTCTGACCTTGCCACCTTCATCTGGTGACGTGCTCTCACTTGGGAAT
 GGCGGCTCCCCAGATCACCCTCAGTGTCTTGTGATTGCCTTGCTCACTTGCTCTGTGACTGCTTATCCC
 AATGGCAAAGTACCAATGTCCTGTGGTGGGATGATCCCCAACATAACCACAGCCACAGTCTGAGCCTA
 TTCACCAATCACAGTGAGTCAGACGACGTTCAAACCTGGAGACCAGATCGAAGTTACTTTATCAGGACC
 ACCATTTAGAGGCTTTCTTTTGGAACTCGTGATGCTGAGAATTTGAGCGGCCCTCTATTGGCTCCTTC
 ACTCTGATTGACAGCGAAGAGTCACAGCTTCTGACCTGTACCGATGTACAGGGATTAGCTGTGAGTCATA
 CAAGGTCTCCAAGAAGACAGAAATTAAGTCTACTGGGATGCTCCAAGCCCTGCCCCAGATCACATACG
 ATTTCTAGCTACAGTTGTTTCAAGAAATTTAAATCTACTGGGTGAAGATTCAGAGTCCCGTAATTTCCCAA
 CCGAATGCTCCTCCCTTTACGACACCTAAAGCTACAACCAACCTTTGACAACGCCACCTTCTGTCTCAC
 ACTTAACCAAACCATTCAGTGCCTTCGAGTGTGGGAACAAGAAGTTCTGTGTGAGGAGTCTTTGAACTG
 TGATCCAGAGAAGGAGCCTGCATGCGTCTTCTGTCTTACCAGAGACAACCAGTCAGTGATGGTTGAA
 ATGAGCGGACCCAGTGACGGCTATGTGCTGTTTGCATTTTCTACGACCAGTGGATGGGCGACGATGATG
 CTTACTTGTGCATCCGTGAGGACCAGACAGTAGATATACAGCCTTCTACTTGACAGGGAGAAGTTATCC
 TGTGATGGACTCCAGGGGACTCTGGAGGACATGGCCTGGAGGCTGGCGGACGGCGTCATACAGTGTTC
 TTCAGAAGAAACATCACCTTCTGAGGCTAAGAACAGATTTGTGCTGAATGAGAGCTACTACATATTCT
 TCGCAGAAGGCCCGTCTCACGACGGCCGAATATTTAGGCACTCTCAGCAACCTTTGATAACATATGAAAA
 ATACAACGTAACAGACACTCAAAGAGCGTAGGAGGGTCCCGCTCCTCACCCCTTTTGAAGGCTCATGGT
 GCCTTAATGTTTGTGGCATGGATGACCACGGTCAGCATTGGAGTCTGTTGCCCCGTTCTTCAGATCTG
 TTTGGTCGAAAGCTTTCTTCTCAGGGAAGCAGCTTGGTTTCAGGTGCATCGGATGCTCATGGTAGCTAC
 CTCCTGCTCACCTGCGTTGCTTTTGTGTTTGGCCTTTGTGTACCGCGGAGGCTGGAGTTGGCGCGCAGGC
 TACCACCGTACCTCGGTTGTACAGTGATGACCTTAGCTGTCTTCAGCCTCTGCTGGCAACCTTCAGAC
 CACCTTTTACACGACCCAAAGGAGCAAGTGTAACTGGACTCACTGGAGTGTGGGGACAGCCGCTAGAAT
 AATAGCAGTGGCAGCAATGTTCTAGGAATGGATTTGCCAGGACTGAATCTTCCAGTCCACAGAAGACC
 TACGCAATGATGGGCTTTGTGGTCTGGCACATCGGGACTGAGGTCACTTGGAGATACATGCTTACCGGC
 TCTCTAGAAAAGTTGAAATACTGGACAACGATAGGATTCAAATCCTTCAGTCACTGACTGTCGAGAAGC
 AGAGGGTCATGTTTTAAGAAGGTGGTGTGGCCGTTTACATATGTGGGAATGTATTTTTCTCTCGATA
 TTCTTATCTGCAATCAACCACATATGAGCAGAAAAAGACTTTTATTTTTATTTTTGTGGGCTGGGTC
 ATGATGATCATTTAAATGAGGAGAGACCTGAAGCTTGTGCCGACCACCTGCAGCACCTACTAAGTCCGAA
 GACCCATGGGCATCGCTATCGAGGAACGCTGAAGTCTGGGTTTCCAGCTCACATTCAAGTGGGCTAAAT
 AACCTGGGCTTTATGTGTAATTCTGCATCCCTAAGGGAACATTGTACCTGAGATGACATGACTCTCAGC
 ATCTCATGCCAGATTTAAACTGTAACTGGAATGGATAGCAGATGAAGACAATTATCTCAGGCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009146

Insert Size: 1779 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC027770</u> , <u>AAH27770</u>
RefSeq Size:	2272 bp
RefSeq ORF:	1779 bp
Locus ID:	20321
UniProt ID:	<u>Q8K385</u>
Cytogenetics:	3 G1
Gene Summary:	Ferric-chelate reductases reduce Fe(3+) to Fe(2+) before its transport from the endosome to the cytoplasm.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) includes an alternate exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.