

Product datasheet for **SC301834**

FRRS1 (NM_001013660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRRS1 (NM_001013660) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRRS1
Synonyms:	SDFR2; SDR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC301834 representing NM_001013660.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGTTTCTGGATTTACTCTTGGTACCTGCATACTTCTGTTGCACATTAGTTATGTGGCTAATTAT
CCCAATGGAAAAGTAACACAGTCATGCCATGGAATGATTCTGAACATGGTCATAGTCCACAGTCTGTT
CCTGTTTCATGACATTTACGTGAGTCAGATGACATTCAGGCCAGGAGATCAGATTGAAGTTACTTTGTCA
GGGCATCCATTTAAAGGCTTTCTCCTAGAAGCGCGTAATGCTGAGGATCTGAATGGCCCTCTATTGGC
TCCTTCACATTGATTGACAGTGAAGTGTCACAACCTTTGACCTGTGAAGATATACAGGGATCAGCAGTG
AGTCACAGAAGTCATCTAAAAAACAGAAATTAAGTCTACTGGAATGCTCCAAGCAGTGCTCCAAAT
CACACACAGTTTCTAGTCACAGTTGTTGAGAAGTATAAAATCTACTGGTGAAGATTCTGGTCTCTATA
ATTTACAACCAATGCATTTCTTTTACAACACCTAAAGCTACAGTAGTACCTTTGCCAACGTTACCT
CCCGTTTCCCACTTAACCAAAACCATTAGTGCCTCAGATTGTGGGAACAAGAAGTTCTGTATTAGGAGT
CCTTTGAACTGTGACCCAGAGAAGGAGGCTTCTGTGTCTTCTTGTCTTCAAGAGATGACCAATCG
GTGATGGTTGAAATGAGCGGCCCAAGTAAAGGCTATTTATCCTTTGCATTGTCTCATGATCAGTGGATG
GGTGATGATGATGCTTATCTGTGATTATCATGAAGATCAGACTGTGTACATCCAGCCTTCCCATTTAACG
GGGCGAAGTACCCTGTAATGGACTCCAGGGATACCTTTGAGGATATGGCTTGGAGGTTGGCGGACGGT
GTTATGCAGTGTCTTTTCAAGAAACATTACCCTTCTGGAGTTAAGAAATAGATTTGATCTAAACACA
AGCTATTACATATTTCTAGCAGATGGTGCAGCTAATGATGGTCAATTTACAAGCACTCTCAGCAACCT
TTGATTACCTATGAAAAATATGATGTGACAGACTCTCAAAGAACATAGGAGGATCCCATTTCTGTACTC
CTTCTGAAGGTTTCATGGTGCCTTAATGTTTGTGGCATGGATGACTACTGTTAGCATAGGTGTACTGGT
GCCCGGTTCTTCAAGCCAGTTTGGTCAAAGCTTCTTGTGTTGGTGAAGCAGCTTGGTTTCAGGTGCAT
CGGATGCTCATGTTCAACACAACCTGTCTCAGCTGACATTGCTTTTGTATGCCGTTTATATACAGGGGA
GGCTGGAGTAGGCATGCAGGTTACCACCATACCTCGGCTGTATAGTGATGACTTTGGCAGTTCTTCAG
CCTCTTCTGGCAGTCTTCAGGCCACCTTACATGACCAAGAAGGCAATGTTTAACTGGACTCATTGG
AGTATGGGAACAGCTGCTAGAATAATAGCAGTGGCAGCGATGTTCTGGGAATGGATTTACCAGGACTG
AATCTTCTGATTATGGAACCTATGCAATGACCGGATTCTGAGCCTGGCATGTTGGGACTGAGGTT
GTTCTGGAGTTGAAATATTGGATGATGACAGAATTCAGATCCTTCAGTCATTTACTGCAGTGGAACAG
AGGGTCATGCTTTTAAAAAGGCAGTGTGGCAATTTATGTCTGTGGGAATGTTACTTTTCTCATCATAT
TTTTATCTGCAATCAACCATCTATGAGCAAGCAAAGACCTTGGCTTTTGCAGGCCAAGTGATAATTATC
ATCAAACCAAGAACTTGAAGCCTGTCTGACTGCCTGGAGCATATTTGTGAATTCTCACTTGAAGA
CTGGGGTCATGTCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_001013660

Insert Size: 1881 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
RefSeq:	<u>NM_001013660.1</u>
RefSeq Size:	2678 bp
RefSeq ORF:	1881 bp
Locus ID:	391059
UniProt ID:	<u>Q6ZNA5</u>
Cytogenetics:	1p21.2
Protein Families:	Druggable Genome, Transmembrane
MW:	70.5 kDa
Gene Summary:	Members of the cytochrome b561 (CYB561; MIM 600019) family, including FRRS1, reduce ferric to ferrous iron before its transport from the endosome to the cytoplasm (Vargas et al., 2003 [PubMed 14499595]).[supplied by OMIM, Mar 2008]