

Product datasheet for **SC211207**

NFS1 (NM_021100) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NFS1 (NM_021100) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NFS1
Synonyms:	COXPD52; HUSSY-08; IscS; NIFS
ACCN:	NM_021100
Insert Size:	1600 bp



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Insert Sequence: >SC211207 3'UTR clone of NM_021100
 The sequence shown below is from the reference sequence of NM_021100. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCAAGAGCATCAAGTGGACCCAACACTAGAAGAATAGGGCCCTGACTTTGTGCTGGTCTGGCCCTCC
TGCTCACCAACCCGTGCACAACCAGACACCTTGTACACCTAGTGGATGCTCTAGATTGGTATAGACC
AGTTGACTTCAGCATCAGTCCACCTCTATGACAGAAAACAAGAAAAGTCTTTCCCTAGCTTCAGTT
CCTTGGGTGTGGAGCACTCCCCATTTCTCTCGGGTCTTAAAGTGTGGACATTTTCATCCCGAAGCC
ATAGAGACATTTGCTGTATATTGCTGTGGGCACATCTGTGCTTTGGTGAGGAGCAAGAGGAACC
AGAAGAAGTCTTTGGTCAGGGACCATGATGCTCTACATGGACATTTGAGTCTTCGTCTTCTGCTGCT
GCTCGGCTGGACCAGCTTCTTAAACAGCAAGCATAATCCACTTCAATGTAATATTTCTGTAGCTCCAA
AGGCTATCTCTTATATTGACTGCAGACAGACTGAATGGACAGTTTCTTAGAGGGCTTGCTCCTTTCT
ACCTTGTCTCTTTCTTTCTTTGACCTAATGGAGCTAGAAATATGTCTGTGACTCCACCAGTTATT
CTAATAATTTGTTTTCTTAAAATTGTTAATTTCAAGACTGGAGAAATAAAGTCACTTCTATTTACTC
TGTGACTTTATGAGAGGTTGAGGAAAAGTGAAGCTGTACTTGGGAATTGTGGAGAAGACCGCCACTC
CATCTGATTTGCATAAATGACTCAGTGGCTTTTGTATCTTTCATTTAAGAATTATTTGAATGCCTGC
CAGGAGCCAGATTTGTTCTGGGTATTAGGAATACACTGGTTAACAGGACCAAAAAAGACCCTGCCCTCA
CTGAGTTTTAAATTTAGTGGAGAGATGGAAAATAATTAACAATAAACAATGTTATAGATTGTGATA
AGTTTTTCTGAGGAGGTAGTGTATAAATATGAAGAGCTCGCTAATCTAGAAATGAGAGGTGAGAAG
GAATGGCAAGAGCTAAGGCCTGAAGTGTGATAAAGCACAAAGTATTATACTTTAGAAACCAAGAGAAG
GCCATTGTAAGTACTAGACTTTTCTTTGTTGGTCTGAACCCATAGGTGGGTAGTTACCAGTACTTAAAAA
AGGAGATAGTATGTTAGAGTACATTTATGCATATTTAAGAATATATTTGATGATATATTTGAATTTG
TATACCAGTTATAAATGTATTTCTTATTGTGGATAATGGTCAAAAAAGTTAATGCTTTTCACTT
GCCAGTAGCAGGGGACAGGAAAGTTTGAAGCCACTGGGCTAAAGTTTGGTAAATGTAGATGGACAGT
GGAAGGAGGAGATGAAATTATAGAATTTTCTTGTGAAAAATATCTTTTTACTTAGAATAATTTTAG
ATTTACTGAAAAGTTGCAAAGATAGTAGAGTTGTAGATCTATTACCAGTTTTCTCTAATTAAGATC
TTACATAAAACTA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_021100.5](#)

Summary: Iron-sulfur clusters are required for the function of many cellular enzymes. The proteins encoded by this gene supply inorganic sulfur to these clusters by removing the sulfur from cysteine, creating alanine in the process. This gene uses alternate in-frame translation initiation sites to generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative initiation sites is determined by the cytosolic pH. The encoded proteins belong to the class-V family of pyridoxal phosphate-dependent aminotransferases. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2010]

Locus ID: 9054

MW: 62