

Product datasheet for **MC200702**

Nfs1 (NM_010911) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfs1 (NM_010911) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfs1
Synonyms:	AA987187; m-Nfs1; m-Nfs1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010586 sequence for NM_010911
 GCTGAGGACTTGAAGCGCCGCGGATGGTGGGCTCTGTGGCTGGGAACATGCTGCTGCGAGCCGCTTGGAGGCGGCTCGTTGGCGGCTACCTCCTTGGCCCTGGGAAGGTCTCGGTGCCACCCGGGACTGCGCCTGCGCGTTGTAGATCATGGCCCCATTTCGCTGTCTACTCAGAGGCAGAGGCAGTGTGCGACCTCTCTACATGGACGTACAGGCCACCACTCCTCTGGATCCCAGAGTGTGATGCCATGCTCCCATACCTTGCAACTACTATGGGAACCTCATTCTCGGACTCATGCATATGGCTGGGAGAGCGAGGCAGCCATGGAACGTGCTCCAGCAAGTACGCAATTAAGGGAGTGGCCAGGTTCTACAGGTCAAGGAAAAACACTTGGTACCACCCAGACAGAACAACAATGTGTGCTGGATTCTGCGCTCCCTGGAAGCTGAGGGCTTTCGGGTCACTTACCTCCC TGTGCAGAAGAGCGGGATCATTGACTTAAAGGAACTAGAGGCTGCCATCCAGCCAGACACCAGCCTGGTCCGTTATGACTGTGAACAATGAAATTGGAGTAAAGCAACCGATTGCAGAAATAGGGCAGATTTGTAGTTCCAGAAAGGTGTACTTCCACACTGATGCCGCCAAGCGGTTGGGAAAATCCCACTTGACGTCAATGACATGAAGATTGATCTCATGAGCATCAGCGGTCAAACTCTATGGCCCTAAAGGGTGGTGTCTATATCCGCGTAGGCCCGGACGTGTGGAGGCCCTACAGAGTGGAGGCGGGCAGGAGCGGGGTATGCGGTCTGGACAGTCCCCACACCCTTGGTGGTGGGCTGGGAGCTGCATGTGAGTTGCACAACAAGAGATGGAATACGACCATAAGCGGATCTCAAAGTTAGCAGAGCGACTGGTACAGAAGATAATGAAGAACCTTCCAGATGTGTAATGAACGGGGACCCGAAGCAGCACTACCCTGGCTGTATCAACCTCTCCTTCGCGTATGTGGAAGGAGAGAGCCTGCTGATGGCCCTCAAGGATGTGGCCTTGTCTCAGGGAGTGCCTGCACCTTCTGCGTCATTGGA GCCCTCTTACGTCCTCAGAGCAATTGGTACCGATGAGGATTTAGCACACTCCTCTATCAGGTTTGGCCTC GGCCGTTCACTACAGAAGAGGAGGTGGACTACACGGCGGAGAAGTGCATCCACCACGTGAAGCGCCTTC GAGAAATGAGTCTCTCTGGGAGATGGTCCAGGATGGCATTGACCTCAAGAGCATCAAGTGGACCCAGCA TTAGAGGAGTGGGCTGTGACTTTGTGCTGGCCTGGCTGTTCTGGCCTCACTGATCTGTGCACAGCCAGGA ACCTCACTGCCTGACGTGGTCCATGCTCAAAGCAGATGGCAAGCTTGCAGTACTTCCACACAGAATGT TCTCTAGTGAAAGCTGAGGCTAGCTTTCTAGCCTCGGCTCCTGTGTAGGCATGTATTCCGTAATCTTCC TCAGGAGTTCTTCTTGGCTGGCGTGGCCATTCTATCTGAGGGCTGGAGGCACTGCCTTGTACTG CACAGGAGGACCTACCTGTGCAGAGATGGAAGAACTGGAAGAAGGCTCTAGGTTCAAAGACTGCTTCTCT GTGAATCATTACTCTAGCTGCTCAGCTGAACTGGCGCCATTAGGGACTGGCATAAACAACCTTTATTTTA ACCTTTTTTGGGCTTTGAAAGACATCTTTGTATCGACTTCAGCTGAAGAACAACCAAGTTGTATTTAA GTCTTGTTCCTTTGGGTTCTCATCTTCTTCTCTTTGACTTAATGTAAGTAGAAAATCCATGAC CCCAATCATTATTCTAATAATTTACTTAATTCATTAACCTAATTCATAAATTTCCCAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_010911

Insert Size: 1380 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.

RefSeq: [BC010586](#), [AAH10586](#)

RefSeq Size: 2032 bp

RefSeq ORF: 1380 bp

Locus ID: 18041

UniProt ID: [Q9Z1J3](#)

Cytogenetics: 2 H1

Gene Summary: Catalyzes the removal of elemental sulfur from cysteine to produce alanine. It supplies the inorganic sulfur for iron-sulfur (Fe-S) clusters. May be involved in the biosynthesis of molybdenum cofactor (By similarity).[UniProtKB/Swiss-Prot Function]