

Product datasheet for **RN204768**

Nfs1 (NM_053462) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfs1 (NM_053462) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfs1
Synonyms:	Nifs
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204768 representing NM_053462
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGGCTCTGTTGCTGGGAACATGCTGCTGCGAGCCGCTTGGAGCGAGCGTCGTTGGCGGCTACCT
 CTGTGGCCCTGCGAAGGTCCTCGGTGCCACCCGGGACTGCGCCTGCGGTTGTAGATCATGCCCCCA
 TTCGGCTGTTCCCTCCGAGGCAGAGGCAGTGCTGCGACCTCTCTATATGGACGTGACGGCTACAACCTCT
 CTGGACCCAGGGTGCTTGATGCCATGCTCCCATACCTTGTCACTACTATGGGAACCCACATTCTCGGA
 CTCATGCGTATGGCTGGGAGAGCGAGGCAGCCATGGAACGTGCTCGCCAGCAGGTAGCGTCTCTGATTGG
 AGCGGATCCTCGGGAGATCATTTCCTACTAGTGGAGCTACGGAATCCAACAACATAGCAATTAAGGGAGTG
 GCCAGTTCTACAGGTCACGGAAAAGCACTTGGTCACCACGCAGACAGAACACAAGTGCCTGCTGGATT
 CGTGCCGCTCCCTGGAAGCTGAGGGCTTTCGGGCACTTACCTCCCGTTTCTGAGAGTGGGATCATTGA
 CTTAAAGGAACTAGAGGCTGCCATCCAGCCAGATACCAGCCTGGTCTCCGTTATGACTGTAACAATGAG
 ATTGGAGTAAAGCAACCGATTGCAGAAATAGGCCAGATTTGCAGTTCAGAAAGCTGACTTCCATACTG
 ATGCAGCCCAAGCTGTTGGGAAAATCCCACTTGTATGCAATGACATGAAAATTGATCTCATGAGTATCAG
 TGGTCACAACTCTACGGCCCTAAAGGGTTGGTGTCTATATCCGCCGTAGGCCCGGGTGCCTGTG
 GAGGCCCTACAAAGTGGAGGCGGGCAGGAGCGGGTATGCGGTCTGGGACAGTGCACACCCCTTGGTGG
 TGGCCTGGGAGTGCATGTGAGCTGGCACAACAAGAGATGGAGTACGACCATAAACGGATCTCAAAGTT
 AGCAGAGCGACTCATACAGAAGATAATGAAGAACCTTCCAGATGTGGTATGAACGGGACCCGAAGCAG
 CACTACCCTGGCTGTATCAACCTCTCCTTTCGCTATGTGGAAGGGGAAAGCCTGCTGATGGCACTCAAGG
 ACGTTGCCTTGTCTCGGGGAGTGCCTGCACTTCCGCATCATTGGAGCCCTCGTATGCTCAGAGCCAT
 CGGTACGGATGAGGATTTAGCACACTCCTCTATCAGTTTCGGCATCGGCCGCTTCACTACAGAGGAGGAG
 GTAGACTACACCGTGCAGAAGTGCATCCACCATGTGAAACGTCTTCGAGAATGAGTCTCTCTGGGAGA
 TGGTGCAGGATGGCATTGACCTCAAGAGCATCAAGTGGACCCAGCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053462

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: [NM_053462.2](#), [NP_445914.2](#)
RefSeq Size: 2038 bp
RefSeq ORF: 1380 bp
Locus ID: 84594
Cytogenetics: 3q42
Gene Summary: a putative cysteine desulfurase [RGD, Feb 2006]