

Product datasheet for **MC203040**

Sart1 (NM_016882) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sart1 (NM_016882) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sart1
Synonyms:	U5-110K
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051394
 CTAGGGTAGCGGCCCGGCTCCAGGCGGACGCAATAATCATGGGGTCGTCAAAGAAGCACCGTGGCGAGAA
 GGAGGCGGCCGGGACGACGGCTGCGGCCGGGACTGGGGGCACGACGGAGCAGCCGCCACGGCATCGCGAG
 CATAAGAAACACAAGCACCGGAGCAGCGGCGGGCAGCAGCGGCGGGAACGACGGAAGCGGAGCCGGG
 AGCGTGGGAGTGAGCGCGGGAGCGGGCGGCGTGGGACCGAAGCCGAGGCCCGCAGCGGCGCACGGTCG
 CGAACGAAGCCAAGCGGAGCCCTCGGAGCGGCGGCTGAAGCGGGAGAAACCGGATGACGGCTACGAGGCC
 GCTGCCAGCTCAAAGCCAGCTCTGGCGATGCCATCCCTCAGCATTGAGGAGACCAATAAACTCCGAG
 CAAAGTTGGGGCTGAAGCCCTTGGAGGTCAATGCTGTTAAGAAAGAGGCGGGCACCAAGGAGGAGCCCGT
 GGCAGCCGATGTTATCAACCCCATGGCCTTGCGACAGCGGGAAGAACTGCGGGAGAACTGGCAGCTGCC
 AAGGAAAAACGCTTGCTGAACAAAAAATGGGGAAAAAAGACACTGGGGGAGGATGACCCCTGGCTGG
 ATGATACTGCAGCCTGGATAGAGAGGAGCCGGCAGCTACAGAAAGAGAAGGACCTGGCAGAGAAGCGGGC
 TAAGCTACTAGAGGAGATGGACCAAGAGTTTGGTGTGAGCACTTATAGTGGAGGAGGAGTTTGGCAGAGG
 CGACAGGACCTGTACAGTGCCCGGACCTGCAAGGCCTCACTGTGGAACATGCCATCGATTCTTTTCGAG
 AAGGGGAGACTGTGGTCCCTCACCTCAAGGACAAAGGGTACTGCAGGACGGGGAGGACGTGCTGGTGAA
 TGTGAACATGGTGGACAAGGAGCGGGCGGACAAGAACGTGGAGCTTCGGAAAAAGAGCCTGACTACCTG
 CCTATGCGGAAGATGAGAGTGTGGACGATTTGGCACAGCAAAAACCTCGTCTATCCTGGCCAAATATG
 ATGAGGAACTGGAGGGCAGCGACCACATTCTCCGTCTGGAGCAGGGTGGGATGGCCGATGGCCCTGAG
 GGAACGAGAGTTAGAAGAAATCCGCACCAAGCTACGGCTGCAGGCTCAGTCTCTGAGCTCCGTAGGGCC
 CGGCTTGCCCTCTGAGTACCTCAGTCCCAGGAGATGGTACCTTCAAGAAGACCAACCGGAGAGTGAAGA
 AAATCCGAAAGAAGGAGAAGGAGGTGATAATGCGGGCAGATGACTTGCTGCCCTGGGCGACCAGACTCA
 GGATGGGACTTTGGATCCAGGCTCCGGGGCGGGGTGCGCGCCGAGTTCCTGAGGTGGAGGAGGAGGCC
 CTTGAGGATGAGGAGAAGGACCTGTGGCCAGCCGCCACCATCGGATGACACTCGAGTAGAGAACATGG
 ACATCAGTGATGAAGAGGATGGGGGAGCTCTTCCGCCAGGGTCCCAGAGGGGCTGGAGGAAGACGAGGC
 AGAGCTGGAGCTGCAGAAGCAGCTGGAGAAGGGGCGCCGCTGCGGCAGCTGCAGCAACTGCAGCAGCTC
 CGAGACAGCGGTGAGAAGGTGCTGGAGATTGTGAAGAACTGGAGTCTCGCCAGCGCGGCTGGGAGGAGG
 AGGAGGACCTGAGAGGAAGGGGACCATCGTGTTCAATGCCACTTCTGAATTCTGCCGCACGCTGGGGGA
 GATCCCCACCTACGGTTGGCTGGCAACCCGAGGAGCAGGAAGAGCTCATGGACTTTGAAAGGGATGAG
 GAGCGCTCGCCAACGGTGGCTGTAATCAGATGGGGAAGAGAACATTGGCTGGAGCACCCTCAACCTGG
 ATGAGGAGAAGCAGCATCAGGATTTCTGCTTCTCTACCACCCTCGGATGAGGAGCCCATCGTGAA
 CAGAGGGCTGGCTGCTGCCCTGCTCTGTGTCAGAACAAAGGACTGCTGGAGACCACAGTACAAAAGGTG
 GCCCGGGTGAAGGCTCCCAATAAGTCACTGCCCTCAGCAGTGTACTGCATCGAGGATAAGATGGCCATTG
 ATGACAAGTACAGCCGACGGGAGGAGTACAGGGGCTTCAACCAGGACTTCAAGGAGAAAGATGGCTACAA
 GCCTGATGTTAAGATTGAATACGTGGATGAGACGGGCAGGAAACTGACTCCCAAGGAGGCATTCCGGCAG
 CTGTCCCACCGCTTCCACGGAAGGGCTCAGGCAAGATGAAGACTGAGCGGCGGATGAAGAAGCTGGATG
 AGGAGGGCTCCTGAAGAAAATGAGCTCCAGTGACACGCCCTGGGCACCGTGGCAGTGTCCAGGAGAA
 GCAGAAGGCCAGAACACCGTATATCGTGCTCAGTGGCAGTGGCAAGAGCATGAATGCCAACACCATC
 ACCAAATGAAGCCGCCCTCCTCCCTGGCCAGATGTAGTGTTAAATAAAGTTCCTCCTATTTTTCAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_016882

Insert Size: 2421 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: [BC051394](#), [AAH51394](#)

RefSeq Size: 2532 bp

RefSeq ORF: 2421 bp

Locus ID: 20227

UniProt ID: [Q9Z315](#)

Cytogenetics: 19 A

Gene Summary: Plays a role in mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the spliceosome. May also bind to DNA. Appears to play a role in hypoxia-induced regulation of EPO gene expression.[UniProtKB/Swiss-Prot Function]