

## Product datasheet for **MR210757**

### **Sart1 (NM\_016882) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sart1 (NM_016882) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sart1
Synonyms:	U5-110K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210757 representing NM\_016882  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGTCGTC**CAAGAAGCACCGTGGCGAGAAGGAGGCGGCCGGGACGACGGCTGCGGCCGGGACTGGGG**  
 GCACGACCGAGCAGCCGCCACGGCATCGCGAGCATAAGAAACACAAGCACCGGAGCAGCGCGCGGCAG  
 CAGCGCGCGGAACGACGGAAGCGGAGCCGGGAGCGTGGGAGTGAGCGCGGAGCGGGCGCGCTGGGGCG  
 GAAGCCGAGGCCCGCAGCGCGCGCACGGTCCGGAACGAAGCCAAGCGGAGCCCTCGGAGCGCGCGTGA  
 AGCGGGAGAAACGCGATGACGGCTACGAGGCCGCTGCCAGCTCCAAAGCCAGCTCTGGCGATGCCTCATC  
 CCTCAGCATTGAGGAGACCAATAAACTCCGAGCAAAGTTGGGGCTGAAGCCCTTGAGAGTCAATGCTGTT  
 AAGAAAGAGGCGGCCACCAAGGAGGAGCCCGTGGCAGCCGATGTTATCAACCCCATGGCCTTGCACAGC  
 GGAAGAACTGCGGGAGAAGCTGGCAGCTGCCAAGGAAAAACGCTTGCTGAACAAAAATGGGGAAAAAT  
 AAAGACTGGGGGAGGATGACCCCTGGCTGGATGATACTGCAGCCTGGATAGAGAGGAGCCGGCAGCTA  
 CAGAAAGAGAAGGACCTGGCAGAGAAGCGGGCTAAGCTACTAGAGGAGATGGACCAAGAGTTTGGTGTGA  
 GCACTTTAGTGGAGGAGGAGTTTGAGCAGAGGCGACAGGACCTGTACAGTGCCCGGGACCTGCAAGGCCCT  
 CACTGTGGAACATGCCATCGATTCTTTTCGAGAAGGGGAGACTGTGGTCCCTCACCCCAAGGACAAGGG  
 GTACTGCAGGACGGGGAGGACGTGCTGGTGAATGTGAACATGGTGGACAAGGAGCGGGCGGACAAGAACG  
 TGGAGCTTCGAAAAAGAAGCCCTGACTACCTGCCTATGCGGAAGATGAGAGTGTGGACGATTTGGCACA  
 GCAAAAACCTCGTTCTATCCTGGCCAAATATGATGAGGAACTGGAGGCGAGCGACCACATTCCTCCGT  
 CTGGAGCAGGGTGGATGGCCGATGGCCTGAGGGAACGAGAGTTAGAAGAAATCCGCAACCAAGCTACGGC  
 TGCAGCTCAGTCTCTGAGCTCCGTAGGCCCGGCTTGCTCTGAGTACCTCAGTCCCGAGGAGATGGT  
 GACCTTCAAGAAGACCAACCGGAGAGTGAAGAAATCCGAAAGAAGGAGAAGGAGGTGATAATGCGGGCA  
 GATGACTTGCTGCCCTGGGCGACCAGACTCAGGATGGGACTTTGGATCCAGGCTCCGGGGCGGGGTC  
 GGCGCCGAGTTCTGAGGTGGAGGAGGAGGCCCTTGGAGTGGAGAGAAGGACCCGTGGCCAGCCGCC  
 ACCATCGGATGACTCGAGTAGAGAACATGGACATCAGTATGAAGAGGATGGGGGAGCTCTCCGCCA  
 GGGTCCCAGAGGGGCTGGAGGAAGACGAGGCAGAGCTGGAGCTGCAGAAGCAGCTGGAGAAGGGGCGCC  
 GGCTGCGGCAGCTGCAGCAACTGCAGCAGCTCCGAGACAGTGGTGAAGGTGCTGGAGATTGTGAAGAA  
 ACTGGAGTCTCGCCAGCGCGCTGGGAGGAGGAGGACCCTGAGAGGAAGGGGACCATCGTGTCAAT  
 GCCACTTCTGAATTCTGCCGCACGCTGGGGGAGATCCCCACCTACGGGTTGGCTGGCAACCGCGAGGAGC  
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 AGAGAACATTGGCTGGAGCACCGTCAACCTGGATGAGGAGAAGCAGCATCAGGATTTCTGCTTCTCTCT  
 ACCACCATCCTGGATGAGGAGCCCATCGTGAACAGAGGGCTGGCTGCTGCCCTGCTCTGTGCAGAACA  
 AAGGACTGCTGGAGACCACAGTACAAAAGGTGGCCCGGTGAAGGCTCCCAATAAGTCACTGCCCTCAGC  
 AGTGTACTGCATCGAGGATAAGATGGCCATTGATGACAAGTACAGCCGACGGGAGGAGTACAGGGGCTTC  
 ACCCAGGACTTCAAGGAGAAAGATGGCTACAAGCCTGATGTTAAGATTGAATACGTGGATGAGACGGGCA  
 GGAAACTGACTCCAAGGAGGCATTCCGGCAGCTGTCCCACCGCTTCCACGAAAGGGCTCAGGCAAGAT  
 GAAGACTGAGCGCGGATGAAGAAGCTGGATGAGGAGGCGCTCCTGAAGAAAATGAGCTCCAGTGACACG  
 CCCCTGGGCACCGTGGCACTGCTCCAGGAGAAGCAGAAGGCCCCAGAAGACACCGTATATCGTGCTCAGTG  
 GCAGTGGCAAGAGCATGAATGCGAACACCATCACCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210757 representing NM\_016882  
Red=Cloning site Green=Tags(s)

MGSSKKHRGEKEAAGTTAAAGTGGTTEQPPRHREHKHKHRRSSGGSSGGERRKRSRERGSERGSGRRGA  
EAEARSGAHGRERSQAEPSEERRVKREKRDDGYEAAASSKASSGDASSLSIEETNKLRAKLGKPLEVNAV  
KKEAGTKEEPVAADVINPMALRQREELREKLA AAKEKRLLNQLGKIKTLGEDDPWLDATAWIERSRQL  
QKEKDLAEKRAKLEEMDQEFVSTLVEEFEQRRQDLYSARDLQGLTVEHAIDSFREGETVVLTLDKDG  
VLQDGEDVLVNVNMVDKERADKNVELRKKKPDYLPYAEDESVDLAQQKPRSILAKYDEELEGERPHSFR  
LEQGMADGLREREEIIRTKLRLQAQSLSSVGPRLASEYLSPEEMVTFKTKRRVKKIRKKEKEVIMRA  
DDLLPLGDQTQDGFGRRLRGRRRRVPEVEEEALEDEEKDPVAQPPPSDDTRVENMDSDEEDGGALPP  
GSPEGLEEAELELQKLEKGRRLRQLQLQLRDSGEKVLKLVKKLESRQRGWEEEDPERKGTIVFN  
ATSEFCRTLGEIPTYGLAGNREEQEELMDFERDEERSANGGSESDGEENIGWSTVNLDEEKHQHDFASS  
TTILDEEPIVNRGLAAALLLCQNKGLLETTVQKVARVKAPNKSLPSAVYCIEDKMAIDDKYSRREEYRGF  
TQDFKEKDGYPVKIEYVDETGRKLTPEAFRQLSHRFHGKSGKMKTERRMKKLDEEALLKKMSSSDT  
PLGTVALLQEKQAQKTPYIVLSGSGKSMNANTITK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9040\\_g01.zip](https://cdn.origene.com/chromatograms/mm9040_g01.zip)

**Restriction Sites:** Sgfl-Mlul



**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\\_016882.3](#), [NP\\_058578.3](#)

**RefSeq Size:** 5091 bp

**RefSeq ORF:** 2421 bp

**Locus ID:** 20227

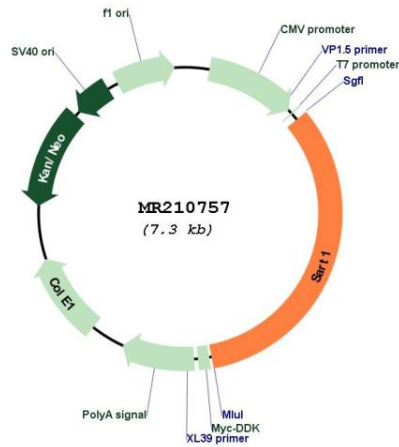
**UniProt ID:** [Q9Z315](#)

**Cytogenetics:** 19 A

**MW:** 91.3 kDa

**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]

### Product images:



Circular map for MR210757