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Product datasheet for MC206673

Sart3 (BC057156) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sart3 (BC057156) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sart3
Synonyms:	AU045857; mKIAA0156
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC057156

GCAAGATGGCGACGACGGCCGCATCTTCGGCGTCCGAGCCGGAGGTTGAGCCCCAGGCCGGGCCTGAGGC
CGAGGGAGAAGAGGATGAGGCGAAGCCGGCCGGTGTGCAGCGGAAGGTGCTGTCCGGCGCTGTGGCCGCG
GAGGCGGCGGAGGCCAAGGGCCCCGGATGGGACCTGCAGCGGGAAGGCGCGAGCGGGAGCGATGGGGATG
AGGAGGACGCCATGGCTTCCTCCGCCGAGAGCTCCGCCGGGGAGGACGAGTGGGAGTACGACGAGGAGGA
GGAGAAGAACCAGCTGGAGATCGAGCGGCTGGAGGAGCAGCTGTCCATCAATGGCTATGATTACAACTGC
CACGTGGAGCTCATCAGGCTGCTGCGGCTGGAAGGCGAGCTCAGCAGAGTGAGGGCGGCCCGCCAGAAGA
TGAGTGAGCTCTTCCCCCTGACCGAAGAGCTCTGGCTGGAGTGGCTCCACGATGAGATCAGCATGGCCAT
GGACGGCCTGGACCGCGAGCACGTGTACGAGCTCTTTGAGAGAGCCGTGAAGGACTACATCTGTCCAAAC
ATTTGGCTAGAGTATGGCCAGTACTCAGTTGGTGGCATTGGTCAGAAAGGTGGCCTTGAGAAGGTTCGCT
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CTGGCGATCCCACTGTACGAGATGGAGGCCACCTTTGCAGAGTATGAAGAATGGTCAGAGGAGCCCATGC
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GCTGCTGCAGGCAGAGGCCCCTCGGCTGGCGGAATACCAAGCTTACATCGACTTCGAGATGAAAATCGGG
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CCTTAGAAGATTGGGATCTAGCCATTCAGAAAACGGAGACGCGCTTGGCTCGTGTGAATGAGCAGAGAAT
GAAGGCCGCAGAGAAGGAAGCAGCTCTTGTGCAGCAGGAAGAAGAAAAGGCCGAGCAGCGGAAGAAGGTG

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CGGGCGGAGAAGAAAGCCCTGAAAAAGAAGAAGAAAACGCGAGGTGCCGACAAGCGCAGGGAGGACGAGG
ACGAGGAGAACGAGTGGGGCGAAGAGGAGGAAGAGCAGCCTTCCAAACGCAGAAGGACGGAGAACAGTCT
GGCCTCTGGAGAGGCTTCGGCTATGAAGGAAGAAACAGAGCTCTCCGGGAAATGCTTAACGATAGATGTT
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CAGGCCGCTCTTTGAGGTCTGTGGGGAGGTGGTCCAGATCAGGCCAATTTTCAGCAACCGCGGGGACTTC
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CAGATACAGTACCACCCTGGAGAAACACAAACTCTTCATCTCTGGCCTGCCCTTTTCCTGCACCAAAGAG
GAGCTCGAGGACATTTGTAAGGCCCACGGCACCGTCAAGGACCTCAGGCTGGTCACTAACAGGGCTGGCA
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GACGGACCCAGCTCTCTCTTCTTCCTCGAGCTCTGCAGCGCCAGGGTGCTGCTCCTCAGGCTGAGAACGG
CCCAGCTCCGGGGCCCGCGGTCGCCCCGTCTGTGGCCACAGAGGCTCCTAAGATGTCCAATGCTGATTTT
GCGAAGTTGCTTCTGAGAAAGTGAGCAGGACTCTGAGATGGAGATGCCTTACCTGTCCTCAAGCTGGCCG
GGCTGGCCACCACGGGCCCTGGAGACGGAAGGGCTGGGCACTTGCCTGCGCTCCCACAGATTCTCCTCTG
GTGTGGATGGGAAGGGAGAGCCTATGGTGAACATGGCGGTGAGGAGTGTTCCCTCACATTGAGGGCGGAG
GCCAACCGCTCTACAGGCTGTCCCAAGGTACGTTAGTGTCCTAACAAGGAGGGACCCAGCTTTCGAGGCC
CACTTGTCCTGATGCTTTCACCGCCTCTGGCCCCTTTTCTACGAACCCCCTCCCCCAGCCCTGCACAGCA
CGTGTGCCCATCACTCTGTAAGTGTGGAAGATGGAATGGGAGAGCTTGTCACTCATCAGAATGGCCTGTC
GAGAAGTGCGGGACGTCACAGAAGACACGTGTGATGGGCTTTTGTCCAAAGAGGCTATGAGTTTTTCTAT
TATGTATTTCTAATTGACACTGTTTAATGTTCCCTAAAAGTGGAATGTCCGCGACCTTTGTTCTTAGGAA
TTGTGTGCCAGCCACTCTGGACCACTTTCTTTGCCTGATGACTGGAGCCCTAAGCCCTCTGTTCAGATGC
TCACTTCGAAATGCCATGTCTAGTACAAAGTTGAGTCTCCCCATTGAGTTTTGTTTATTAAACTGAAGTT
CTTACAGAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC057156

Insert Size: 2889 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: BC057156, AAH57156

RefSeq Size: 3596 bp

RefSeq ORF: 2889 bp

Locus ID:	53890
Cytogenetics:	5 F
Gene Summary:	U6 snRNP-binding protein that functions as a recycling factor of the splicing machinery. Promotes the initial reassembly of U4 and U6 snRNPs following their ejection from the spliceosome during its maturation. Also binds U6atac snRNPs and may function as a recycling factor for U4atac/U6atac spliceosomal snRNP, an initial step in the assembly of U12-type spliceosomal complex. The U12-type spliceosomal complex plays a role in the splicing of introns with non-canonical splice sites. May also function as a substrate-targeting factor for deubiquitinases like USP4 and USP15. Recruits USP4 to ubiquitinated PRPF3 within the U4/U5/U6 tri-snRNP complex, promoting PRPF3 deubiquitination and thereby regulating the spliceosome U4/U5/U6 tri-snRNP spliceosomal complex disassembly. May also recruit the deubiquitinase USP15 to histone H2B and mediate histone deubiquitination, thereby regulating gene expression and/or DNA repair (By similarity). May play a role in hematopoiesis probably through transcription regulation of specific genes including MYC (PubMed:21447833).[UniProtKB/Swiss-Prot Function]