

Product datasheet for MR218719

Sco1 (NM_001040026) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sco1 (NM_001040026) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sco1
Synonyms:	2610001C07Rik; D11Bwg1310e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218719 representing NM_001040026 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGGCAGCACTTGTACGCGCCGAGTGGTGGAGTGCAGTGTGCGCCAGCTCTGGCGTCTGTTCCCTCGCGCCATGGGCTCAGGGATGTGGCGGAGAGGCCGAGACCGGAGGAAGCGTGTCTCTGCCTGCGGAGCAGAGCCTTCAGCGCTGGGCCGCCACCGCCGGGGCCGGTCCGGAGCCCAAGGGCGGTCAAGCCGGGTCTCACCCGCCAAGCCTGGCCTGTTCTTGAAGTCTTTAGCTCTCACCTTTGCCATTGGAGGCTCTTTATTGGCTGAATGAAGTACTCAAGAAAGAAAAGATAGAAAAGCTGGAGAAACAACGGCATCGCAGCATTGGGAAGCCTTTACTAGGGGGCCATTTTCCCTTACAACCTACAATGGAGAGCCAAAACCGACAAGGACTACCTGGGTCAATGGGTATTGATTTATTTGGCTTCACTCATTGCCCTGATATCTGTCCAGAAGAACTAGAAAAATGATTGAAGTCGTGGAGGAGATAGACAGTATTCATCCCTGCCAAATTTAACTCCACTTTTTCATCACCATTGACCCAGAAAGGGACACCAAGAAGCCATTGCGACTTATGTGAAAGAATTTCTCCCAAATTTGGTTGGTTTACTGGCACAAAAGAAGAGATTGATGGAGTGGCCAGAGCATACAGGGTGTATTACAGCCCTGGCCGAAGGATGAGGATGAAGACTACATAGTGGATCATAAATAAATGTACTTGATTGGACCAGATGGAGAATTTCTTGATTATTTGGACAAAACAAGAAGAAGGCAGAAATAGCCGGCTCAATTGCTGCACACATGAGGTCACACATGAAGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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_001040026.1](#), [NP_001035115.1](#)

RefSeq Size: 4280 bp

RefSeq ORF: 855 bp

Locus ID: 52892

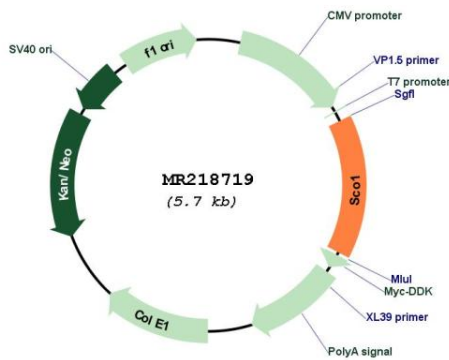
UniProt ID: [Q5SUC9](#)

Cytogenetics: 11 40.59 cM

MW: 31.6 kDa

Gene Summary: Copper metallochaperone essential for the maturation of cytochrome c oxidase subunit II (MT-CO2/COX2). Not required for the synthesis of MT-CO2/COX2 but plays a crucial role in stabilizing MT-CO2/COX2 during its subsequent maturation. Involved in transporting copper to the Cu(A) site on MT-CO2/COX2 (By similarity). Plays an important role in the regulation of copper homeostasis by controlling the abundance and cell membrane localization of copper transporter CTR1 (PubMed:25683716, PubMed:28973536).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218719