

Product datasheet for MC209919

Sco1 (NM_001040026) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sco1 (NM_001040026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sco1
Synonyms:	2610001C07Rik; D11Bwg1310e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209919 representing NM_001040026 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCAGCACTTGTACGCGCCGAGTGGTGGAGTGCAGTGTCCGAGCTCTGGCGTCTGTTCCCTCGCGCCATGGGCTCAGGGATGTGGCGGAGAGGCCGAGACCGGAGGAAGCGTGTCTCTGCCTGCGGAGCAGAGCCTTCAGCGCTGGGCCGCCACCGCCGGGGCCGGTCCGGAGCCCAAGGGCGGTCAAGCCGGGTCTCACCGCCGAAGCCTGGCCTGTTTCTTGAAGTCTTTAGCTCTCACCTTTGCCATTGGAGGCTCTTTATTGGCTGGAATGAAGTACTCAAGAAAGAAAAGATAGAAAAGCTGGAGAAACAACGGCATCGCAGCATTGGGAAGCCTTTACTAGGGGGCCATTTTCCCTTACAACCTACAATGGAGAGCCAAAACCGACAAGGACTACCTGGGTCAATGGGTATTGATTTATTTGGCTTCACTCATTGCCCTGATATCTGTCCAGAAGAACTAGAAAAATGATTGAAGTCGTGGAGGAGATAGACAGTATTCATCCCTGCCAAATTTAACTCCACTTTTTCATCACCATTGACCCAGAAAGGGACACCAAGAAGCCATTGCGACTTATGTGAAAGAATTTCTCCCAAATTTGGTTGGTTTACTGGCACAAAAGAAGAGATTGATGGAGTGGCCAGAGCATACAGGGTGTATTACAGCCCTGGCCGAAGGATGAGGATGAAGACTACATAGTGGATCATAAATAAATGTACTTGATTGGACCAGATGGAGAATTTCTTGATTATTTTGGACAAAACAAGAAGAAGGCAGAAATAGCCGGCTCAATTGCTGCACACATGAGGTCACACATGAAGAAGAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001040026
Insert Size:	855 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001040026.1</u> , <u>NP_001035115.1</u>
RefSeq Size:	4280 bp
RefSeq ORF:	855 bp
Locus ID:	52892
UniProt ID:	<u>Q5SUC9</u>
Cytogenetics:	11 40.59 cM
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]