

Product datasheet for **MC207990**

Sco2 (NM_00111288) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sco2 (NM_00111288) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sco2
Synonyms: MGC28479
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207990 representing NM_00111288
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTACTGGCTCTAGGGCCAAAGCTTGGCCAAAGCTCTCTCAGTTCAAACCCCTCTCAGGATCTCAG
GAGGTGAAACTCTGCATAGAAATCCCACACTGGCAGGGCAGGCCAGCGCCAAGGCCCTGGGCTAAG
AACTAGACTGCTGATCACAGCCCTGTTTGGGGCTGGGCTAGGCTGGCCCTGGCTGGCCGGAGGGCTGAG
AAGGAACAGTGGCGCCAACAGCAGCGTACAGAGCCCTGCGCCAGGCTGCTGTGGCCAGGGTGACTTCA
GCCTACTAGACCACAAAGGCCAGCCTCGATGCAAAGCCGACTTCCGAGGCCAGTGGGTGCTGATGTACTT
CGGTTTTACTCACTGCCCTGATATTTGCCCCGATGAGCTGGAAAAGCTAGTGCAGGTGGTGCAGGAAAGCTA
GAGGCGGAGCCTGACCTGCCCTGGTGCAGCCTGTCTTCACTGTGGACCCAGAACGAGATGACGTGG
CAGCCATGGCCCGCTATGTGCAAGAATCCACCAAGACTGTTAGGTCTGACCGTTCTACAGAACAGGT
GGCCCATGCTAGTCGCAACTACCGCGTACTACAGCGCTGGCCCTAAGGATGAGGACCAGGACTACATT
GTGGACCACTCCATTGCCATCTATCTGCTCAACCCTGATGGTCTTTTCACCGATTACTATGGTCGCAGCA
GGTCAGCAGAGCAGATCGTAGAGAGTATACGTCCGCACATAGCTGCCTTCCACAGTGTCTTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_00111288
Insert Size: 768 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:	NM_001111288.1 , NP_001104758.1
RefSeq Size:	1158 bp
RefSeq ORF:	768 bp
Locus ID:	100126824
UniProt ID:	Q8VCL2
Cytogenetics:	15 E3
Gene Summary:	Copper metallochaperone essential for the synthesis and maturation of cytochrome c oxidase subunit II (MT-CO2/COX2). Involved in transporting copper to the Cu(A) site on MT-CO2/COX2. Also acts as a thiol-disulfide oxidoreductase to regulate the redox state of the cysteines in SCO1 during maturation of MT-CO2/COX2.[UniProtKB/Swiss-Prot Function]