Recombinant Mouse Sco1 Protein, Myc/DDK-tagged

Cat. No. Sco1-5718M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SCO1 cytochrome c oxidase assembly protein (Sco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Plays an important role in the regulation of copper homeostasis by controlling the abundance and cell membrane localization of copper transporter CTR1.
Molecular Mass	31.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Sco1 SCO1 cytochrome c oxidase assembly protein [Mus musculus (house mouse)]
Official Symbol	Sco1
Synonyms	SCO1; SCO cytochrome oxidase deficient homolog 1 (yeast); protein SCO1 homolog, mitochondrial; D11Bwg1310e; 2610001C07Rik
Gene ID	52892
mRNA Refseq	NM_001040026
Protein Refseq	NP_001035115
UniProt ID	Q5SUC9

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