

## Product datasheet for TP518719

### Sco1 (NM\_001040026) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse SCO1 cytochrome c oxidase assembly protein (Sco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR218719 representing NM\_001040026  
**Red**=Cloning site **Green**=Tags(s)

MAALVRAAVRSQCRQLWRLFPRGHGLRDVAERPPPEEACSLRSRAFSAGPPPPGAGPEPKGGQAGSHR  
PKPGPVSWKSLALTFAIGGSLLAGMKYFKKEKIEKLEKQRHRSIGKPLLGGPFSLTTHNGEPKTDKDYLG  
QWVLIYFGFTHCPDICPEELEKMIIEVVEEIDSIPSLPNLTPFITIDPERDTKEAIATYVKEFSPKLVGL  
TGTKEEIDGVARAYRVYSPGPKDEDEDYIVDHTIIMYLIGPDGEFLDYFGQNKKKAEIAGSIAAHMRSH  
MKKR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 31.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001035115](#)

**Locus ID:** 52892

**UniProt ID:** [Q5SUC9](#)



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RefSeq Size: 4280

Cytogenetics: 11 40.59 cM

RefSeq ORF: 852

Synonyms: 2610001C07Rik; D11Bwg1310e

**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]