

## Product datasheet for PH302026

### SCO1 (NM\_004589) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SCO1 MS Standard C13 and N15-labeled recombinant protein (NP_004580)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202026
Predicted MW:	33.8 kDa
Protein Sequence:	>RC202026 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAMLVLPGRVMRPLGGQLWRFLPRGLEFWGPAEGTARVLLRQFCARQAEAWRASGRPGYCLGTRPLSTARPPPPWSQKPGDSTRPSKPGPVSWSKSLAITFAIGGALLAGMKHVKKEKAEKLEKERQRHIGKPLLGGPFLTTHHTGERKTDKDYLGWLLIYFGFTHCPDVCPPEELEKMIQVVDEIDSITTLPLDPLFISIDPERDTKEAIAANYVKEFSPKLVGLTGTREEVDQVARAYRVYSPGPKDEDEDYIVDHTIIMYLIGPDGEFLDYFGQNKRKGEIAASIATHMRPYRKKS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004580</a>
RefSeq Size:	1768
RefSeq ORF:	903
Synonyms:	MC4DN4; SCOD1
Locus ID:	6341



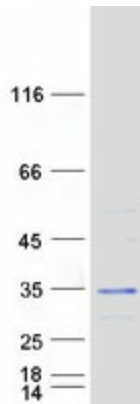
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UniProt ID: [O75880](#)

Cytogenetics: 17p13.1

**Summary:** Mammalian cytochrome c oxidase (COX) catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. In yeast, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), enable subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog to the yeast SCO1 gene. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified SCO1 protein (Cat# [TP302026]). The protein was produced from HEK293T cells transfected with SCO1 cDNA clone (Cat# [RC202026]) using MegaTran 2.0 (Cat# [TT210002]).