

Product datasheet for TP760216

SCO2 (NM_005138) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Recombinant protein of human SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial protein, transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug Species: Human **Expression Host:** F. coli **Expression cDNA Clone** A DNA sequence encoding human full-length SCO2 or AA Sequence: Tag: N-His Predicted MW: 25.1 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method > 80% as determined by SDS-PAGE and Coomassie blue staining **Purity: Buffer:** 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol For testing in cell culture applications, please filter before use. Note that you may experience Note: some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. NP 005129 RefSeq: 9997 Locus ID: UniProt ID: 043819 **RefSeq Size:** 1005 Cytogenetics: 22q13.33 **RefSeq ORF:** 798 CEMCOX1; ECGF1; Gliostatin; MC4DN2; MYP6; PD-ECGF; SCO1L; TdRPase; TP; TYMP Synonyms:



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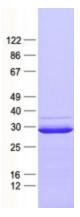
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Summary:Cytochrome c oxidase (COX) catalyzes the transfer of electrons from cytochrome c to
molecular oxygen, which helps to maintain the proton gradient across the inner
mitochondrial membrane that is necessary for aerobic ATP production. Human COX is a
multimeric protein complex that requires several assembly factors; this gene encodes one of
the COX assembly factors. The encoded protein is a metallochaperone that is involved in the
biogenesis of cytochrome c oxidase subunit II. Mutations in this gene are associated with fatal
infantile encephalocardiomyopathy and myopia 6. [provided by RefSeq, Oct 2014]

Protein Families: Druggable Genome

Product images:



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