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32-7237: Recombinant Human Protein SCO1 Homolog Mitochondrial SCO1/SCOD1 (N-GST)

Gene : SCO1
Gene ID : 6341
Uniprot ID : O75880

Description

Source: E.coli.
MW :20.14kD.
Recombinant Human Protein SCO1 Homolog Mitochondrial is produced by our E.coli expression system and the target gene encoding Gly132-Ser300 is expressed with a GST tag at the N-terminus. Protein SCO1 Homolog, Mitochondrial (SCO1) is a member of the SCO1/2 family. SCO1 has a homodimer structure. SCO1 is located in mitochondrion and is highly expressed in muscle, heart, and brain. It is characterized by high rates of Oxidative Phosphorylation (OxPhos). SCO1 is thought to play a important role in cellular copper homeostasis, mitochondrial redox signaling and insertion of copper into the active site of COX. The defects of SCO1 can result in Mitochondrial Complex IV Deficiency (MT-C4D). A disorder of the mitochondrial respiratory chain has heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 50mM PB, 1mM DTT, pH 7.2.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	GSPEFHMGKPLLGGPFSLTTHTGERKTDKDYLGQWLLIYFGFTHCPDVCPEELEKMIQVVDEIDSITTLPDLTPLF ISIDPERDTKEAIANYVKEFSPKLVGLTGTREEVDQVARAYRVYYSPGPKDEDEDYIVDHTIIMYLIGPDGEFLDYF GQNKRKGEIAASIATHMRPYRKKS

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Ã‚Âµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.