Recombinant Human SUCLA2 Protein, MYC/DDK-tagged

Cat. No. SUCLA2-3042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUCLA2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	Succinyl-CoA synthetase (SCS) is a mitochondrial matrix enzyme that acts as a heterodimer, being composed of an invariant alpha subunit and a substrate-specific beta subunit. The protein encoded by this gene is an ATP-specific SCS beta subunit that dimerizes with the SCS alpha subunit to form SCS-A, an essential component of the tricarboxylic acid cycle. SCS-A hydrolyzes ATP to convert succinate to succinyl-CoA. Defects in this gene are a cause of myopathic mitochondrial DNA depletion syndrome. A pseudogene of this gene has been found on chromosome 6.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	SUCLA2 succinate-CoA ligase ADP-forming beta subunit [Homo sapiens]
Official Symbol	SUCLA2
Synonyms	A-SCS; A-BETA; MTDPS5; SCS-betaA
Gene ID	8803
mRNA Refseq	NM_003850
Protein Refseq	NP_003841
MIM	603921
UniProt ID	Q9P2R7

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