



Recombinant Mouse Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial (Sdhb)

Product Code	CSB-EP880399MO
Abbreviation	Sdhb
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9CQA3
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AQTAAAAAPR IKKFAIYRWD PDKTGDKPRM QTYEVDLNKC GPMVLDALIK IKNEVDSTLT FRRSCREGIC GSCAMNINGG NTLACTRRID TDLSKVSKIY PLPHMYVIKD LVPDLNFIYA QYKSIEPYLK KKDESEQEGKQ QYLQSIEDRE KLDGLYECIL CACCSTSCPS YWWNGDKYLG PAVLMQAYRW MIDSRDDFTE ERLAKLQDPF SVYRCHTIMN CTQTCPKGLN PGKAIKAEIKK MMATYKEKRA LA
Source	E.coli
Target Names	Sdhb
Protein Names	Recommended name: Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial EC= 1.3.5.1 Alternative name(s): Iron-sulfur subunit of complex II Short name= lp
Expression Region	31-282
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and pheochromocytoma, and support a link between mitochondrial dysfunction and tumorigenesis.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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