



# Recombinant Bovine Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial (SDHB)

<b>Product Code</b>	CSB-EP668829BO-B
<b>Abbreviation</b>	SDHB
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q3T189
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AQ TAAAAAPRIK KFAIYRWDPD KTGDKPHMQT YEIDLNNCGP MVLDALIKIK NEIDSTLTFR RSCREGICGS CAMNINGGNT LACTRRIDTN LSKVSKIYPL PHMYVIKDLV PDLNIFYAQY KSIEPYLKKK DESQGGKEQY LQSIEDREKL DGLYECILCA CCSTSCPSYW WNGDKYLGPA VLMQAYRWMI DSRDDFTEER LAKLQDPFSL YRCHTIMNCT QTCPKGLNPG KAIAEIKKMM ATYKEKQASA
<b>Source</b>	E.coli
<b>Target Names</b>	SDHB
<b>Protein Names</b>	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= IP
<b>Expression Region</b>	29-280
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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