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

Product Code	CSB-EP020907HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21912
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AQ TAAATAPRIK KFAIYRWDPD KAGDKPHMQT YEVDLNKCGP MVLDALIKIK NEVDSTLTFR RSCREGICGS CAMNINGGNT LACTRRIDTN LNKVSKIYPL PHMYVIKDLV PDLSNFYAQY KSIEPYLKKK DESQEGKQQY LQSIEEREKL DGLYECILCA CCSTSCPSYW WNGDKYLGPA VLMQAYRWMI DSRDDFTEER LAKLQDPFSL YRCHTIMNCT RTCPKGLNPG KAIAEIKKMM ATYKEKKASV
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= Ip
Expression Region	29-280
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

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.