



Recombinant Human Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial (SDHA)

Product Code	CSB-BP020903HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31040
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SAKVSDS ISAQYPVVDH EFDVAVVGAG GAGLRAAFGL SEAGFNTACV TKLFPTRSH T VAAQGGINAA LGNMEEDNWR WHFYDTVKGS DWLGDQDAIH YMTEQAPAAV VELENYGMPF SRTEGDKIYQ RAFGGQSLKF GKGGQAHRC CVADRTGHSL LHTLYGRSLR YDTSYFVEYF ALDLLMENGE CRGVIALCIE DGSIHRIKAK NTVVATGGYG RTYFSCSAH TSTGDGTAMI TRAGLPCQDL EFVQFHPTGI YGAGCLITEG CRGEGGILIN SQGERFMERY APVAKDLASR DVVSRSM TLE IREGRGCPE KDHYVLQLHH LPPEQLATRL PGIS ETAMIF AGVDVTKEPI PVLPTVHYNM GGIPTNYKGQ VLRHVNGQDQ IVPGLYACGE AACASVHGAN RLGANSLDL VVFGACALS IEESCRPGDK VPIKPNAGE ESVMNLDKLR FADGSIRTSE LRLSMQKSMQ NHA AVFRVGS VLQEGCGKIS KLYGDLKHLK TFDRGMVWNT DLVETLELQN LMLCALQTIY GAEARKESRG AHAREDYKVR IDEYDYSKPI QGQKPFEE HWRKHTLSYV DVG TGKVTLE YRPVIDKTLN EADCATVPPA IRSY
Source	Baculovirus
Target Names	SDHA
Protein Names	Recommended name: Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial EC= 1.3.5.1 Alternative name(s): Flavoprotein subunit of complex II Short name= Fp
Expression Region	44-664
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	This gene encodes a major catalytic subunit of succinate-ubiquinone oxidoreductase, a complex of the mitochondrial respiratory chain. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. Mutations in this gene have been associated with a form of mitochondrial respiratory chain deficiency known as Leigh Syndrome. A pseudogene has been identified on chromosome 3q29.



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.