



# Recombinant Rat Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial (Sdha)

<b>Product Code</b>	CSB-EP838731RA-B
<b>Abbreviation</b>	Sdha
<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>	Q920L2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SAKVS DAISTQYPVV DHEFDAVVVG AGGAGLRAAF GLSEAGFNNTA CLTKLFPTRS HTVAAQGGIN AALGNMEEDN WRWHFYDTVK GSDWLGDQDA IHYMTEQAPA SVVELENYGM PFSRTEDGRI YQRAFGGQSL KFGKGGQHR CCCVADRTGH SLLHTLYGRS LRYDTSYFVE YFALDLLMEN GECRGVIALC IEDGSIHRIR AKNTIATGG YGRTYFSCTS AHTSTGDGTA MVTRAGLPCQ DLEFVQFHPT GIYGAGCLIT EGCRGEGGIL INSQGERFME RYAPVAKDLA SRDVVSRSM TLEIREGRGCG PEKDHVYLQL HHLPPEQLAT RLPGISETAM IFAGVDVTKE PIPVLPTVHY NMGGIPTNYK GQVLKHVNGQ DQIVPGLYAC GEAACASVHG ANRLGANSLL DLVVFGRACA LSIAESCRPG DKVPIKANA GEESVMNLDK LRFADGSVRT SELRLSMQKS MQSHAAVFRV GSVLQEGCEK VSQLYGDLQH LKTFDRGMVW NTDLVETLEL QNLMLCALQT IYGAEARKES RGAHAREDYK VRIDEYDYSK PIEGQKQKPF AEHWRKHTLS YVDTKTGKVT LDYRPVIDKT LNEADCATVP PAIRSY
<b>Source</b>	E.coli
<b>Target Names</b>	Sdha
<b>Protein Names</b>	Recommended name: Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial EC= 1.3.5.1 Alternative name(s): Flavoprotein subunit of complex II Short name= Fp
<b>Expression Region</b>	36-656
<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>	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.

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**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.

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**Shelf Life**

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