

SDHA Protein, Human, Recombinant (His)

General Information

Synonyms:	SDHF;Malate dehydrogenase [quinone] flavoprotein subunit;SDHA;SDH2;Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial;mitochondrial;Flavoprotein subunit of complex II (Fp)
Protein Construction:	44-293 aa
Species:	Human
Expression Host:	E. coli
Accession:	P31040
Molecular Weight:	31.1 kDa (predicted)
AA Sequence:	SAKVSDSISAQYPVVDHEFDVVVGAGGAGLRAAFGLSEAGFNTACVTKLFPTRSHTVAAQGGINAALGNM EEDNWRWHFYDVKGSDWLGDQDAIHYMTEQAPAAVVELENYGMPFSRTEDGKIYQRAFGGQSLKFGKGG QAHRCVVADRTGHSLLHTLYGRSLRYDTSYFVEYFALDLLMENGECRGVIALCIEDGSIHRIRAKNTVVATGG YGRTYFSCSAHTSTGDGTAMITRAGLPCQDLEFV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).

A DRUG SCREENING EXPERT

Can act as a tumor suppressor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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