Recombinant Human SDHA protein (His tag)

Catalog Number:PDEH100333

Note: Centrifuge before opening to ensure complete recovery of vial contents.

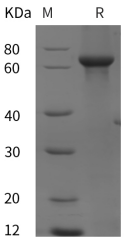
Description

Synonyms	Succinate dehydrogenase [ubiquinone] flavoprotein subunit;mitochondrial; SDHA;Flavoprotein subunit of complex II (Fp);SDHF;SDH2
Species	Human
Expression Host	E.coli
Sequence	Ala 43-Tyr 664
Accession	P31040
Calculated Molecular Weight	68.3 kDa
Observed molecular weight	70 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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.Defects in SDHA are a cause of mitochondrial complex II deficiency (MT-C2D). A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations. Clinical features include psychomotor regression in infants, poor growth with lack of speech development, severe spastic quadriplegia, dystonia, progressive leukoencephalopathy, muscle weakness, exercise intolerance, cardiomyopathy. Some patients manifest Leigh syndrome or Kearns-Sayre syndrome.

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