

Recombinant Human SDHD

Cat. No. SDHD-31390TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SDHD with a N terminal proprietary tag: predicted MW 43.56 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	159 amino acids
Description	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 subunit D protein is one of two integral membrane proteins anchoring the complex to the matrix side of the membrane. Mutations in SDHD have been linked to hereditary paraganglioma.
Molecular Weight	43.560kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MAVLWRLSAVCGALGGRALLLRTPVVRPAHISAFLLQDRPI PEWCGVQHIHLSPSHH
SGSKAASLHWTSEKRVSVLLGLL PAAYLNPCSAKDYSLAAALTLHGHWGLGQVVT
DYVHGDAI QKAAKAGLLALSALTFAGLCYFNYHVDVGICKAVAMLWKL

Sequence Similarities

Belongs to the CybS family.

GENE INFORMATION

Gene Name

SDHD succinate dehydrogenase complex, subunit D, integral membrane protein [Homo sapiens]

Official Symbol

SDHD

Synonyms

SDHD; succinate dehydrogenase complex, subunit D, integral membrane protein; PGL, PGL1; succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial;

Gene ID

6392

mRNA Refseq

NM_003002

Protein Refseq

NP_002993

MIM

602690

Uniprot ID

O14521

Chromosome Location

11q23

Pathway

Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved

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biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate
=>

Function

electron carrier activity; heme binding; metal ion binding; succinate dehydrogenase activity; ubiquinone binding;

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