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SDHB Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP19974b

Specification

SDHB Blocking Peptide (C-term) - Product Information

Primary Accession	P21912
Other Accession	O007T0, Q9CQA3, Q3T189, NP_002991.2

SDHB Blocking Peptide (C-term) - Additional Information

Gene ID 6390

Other Names
Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial, Iron-sulfur subunit of complex II, Ip, SDHB, SDH, SDH1

Target/Specificity
The synthetic peptide sequence is selected from aa 220-234 of HUMAN SDHB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SDHB Blocking Peptide (C-term) - Protein Information

Name SDHB

Synonyms SDH, SDH1

SDHB Blocking Peptide (C-term) - Background

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
iron-sulfur subunit is highly conserved and contains three
cysteine-rich clusters which may comprise the iron-sulfur centers
of the enzyme. Sporadic and familial mutations in this gene result
in paragangliomas and pheochromocytoma, and support a link between
mitochondrial dysfunction and tumorigenesis.

SDHB Blocking Peptide (C-term) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Cerecer-Gil, N.Y., et al. Clin. Cancer Res. 16(16):4148-4154(2010)
Schimke, R.N., et al. Am. J. Med. Genet. A 152A (6), 1531-1535 (2010) :
Hes, F.J., et al. BMC Med. Genet. 11, 92 (2010) :

Function
Iron-sulfur protein (IP) 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).

Cellular Location
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

SDHB Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides