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NDUFS3 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20739c

Specification

NDUFS3 Blocking Peptide (C-term) - Product Information

Primary Accession O75489

NDUFS3 Blocking Peptide (C-term) - Additional Information

Gene ID 4722

Other Names
NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial, Complex I-30kD, CI-30kD, NADH-ubiquinone oxidoreductase 30 kDa subunit, NDUFS3

Target/Specificity
The synthetic peptide sequence is selected from aa 251-264 of HUMAN NDUFS3

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.

NDUFS3 Blocking Peptide (C-term) - Protein Information

Name NDUFS3

Function
Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:14729820, PubMed:30140060). Essential for the catalytic activity and assembly of complex I (PubMed:14729820, PubMed:24028823, PubMed:30140060).

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

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NDUFS3 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

NDUFS3 Blocking Peptide (C-term) - Images

NDUFS3 Blocking Peptide (C-term) - Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).

NDUFS3 Blocking Peptide (C-term) - References

Loeffen J.,et al.Biochem. Biophys. Res. Commun. 247:751-758(1998).
Procaccio V.,et al.Mamm. Genome 11:808-810(2000).
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.