

NDUFS7 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP20502c

Specification

NDUFS7 Blocking Peptide (Center) - Product Information

Primary Accession

[O75251](#)

Other Accession

[O9DC70](#), [P42026](#)**NDUFS7 Blocking Peptide (Center) - Additional Information****Gene ID** 374291**Other Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial, Complex I-20kD, CI-20kD, NADH-ubiquinone oxidoreductase 20 kDa subunit, PSST subunit, NDUFS7

Target/Specificity

The synthetic peptide sequence is selected from aa 134-146 of Human NDUFS7

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.

NDUFS7 Blocking Peptide (Center) - Protein Information**Name** NDUFS7**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:17275378). Essential for the catalytic activity of complex I (PubMed:17275378).

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P42026}; Matrix side {ECO:0000250|UniProtKB:P42026}

NDUFS7 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

NDUFS7 Blocking Peptide (Center) - Images

NDUFS7 Blocking Peptide (Center) - 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).

NDUFS7 Blocking Peptide (Center) - References

Hyslop S.J., et al. Genomics 37:375-380(1996).
Grimwood J., et al. Nature 428:529-535(2004).
Murray J., et al. J. Biol. Chem. 278:13619-13622(2003).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).
Triepels R.H., et al. Ann. Neurol. 45:787-790(1999).