10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFS6 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP19818c

Specification

NDUFS6 Blocking Peptide (Center) - Product Information

Primary Accession	O75380
Other Accession	Q4R5X8, NP_004544.1

NDUFS6 Blocking Peptide (Center) - Additional Information

Gene ID 4726

Other Names
NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial, Complex I-13kD-A, CI-13kD-A, NADH-ubiquinone oxidoreductase 13 kDa-A subunit, NDUFS6

Target/Specificity
The synthetic peptide sequence is selected from aa 43-56 of HUMAN NDUFS6

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.

NDUFS6 Blocking Peptide (Center) - Protein Information

Name NDUFS6

Function
Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

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

NDUFS6 Blocking Peptide (Center) - Protocols

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Blocking Peptides

NDUFS6 Blocking Peptide (Center) - Images

NDUFS6 Blocking Peptide (Center) - Background

This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders.

NDUFS6 Blocking Peptide (Center) - References

Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009)
Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)
Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008)
Harris, S.E., et al. BMC Genet. 8, 43 (2007) :