

**NDUFV1 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21746c****Specification****NDUFV1 Blocking Peptide (Center) - Product Information**Primary Accession [P49821](#)**NDUFV1 Blocking Peptide (Center) - Additional Information****Gene ID** 4723**Other Names**

NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial, Complex I-51kD, CI-51kD, NADH dehydrogenase flavoprotein 1, NADH-ubiquinone oxidoreductase 51 kDa subunit, NDUFV1, UQOR1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 214-226 of HUMAN NDUFV1

**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.

**NDUFV1 Blocking Peptide (Center) - Protein Information****Name** NDUFV1**Synonyms** UQOR1**Function****NDUFV1 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).

**NDUFV1 Blocking Peptide (Center) - References**

de Coo R.F.M., et al. Mamm. Genome 10:49-53(1999).  
Schuelke M., et al. Biochem. Biophys. Res. Commun. 245:599-606(1998).  
Hu R.-M., et al. Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

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.

**Cellular Location**

Mitochondrion inner membrane  
{ECO:0000250|UniProtKB:P25708};  
Peripheral membrane protein  
{ECO:0000250|UniProtKB:P25708}; Matrix  
side {ECO:0000250|UniProtKB:P25708}

**NDUFV1 Blocking Peptide (Center) -  
Protocols**

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

- [Blocking Peptides](#)