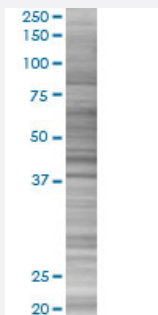


NDUFS4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004724-T01

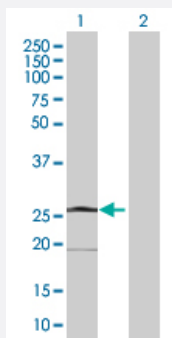
Size 100 uL

Applications



SDS-PAGE Gel

NDUFS4 transfected lysate.



Western Blot

Lane 1: NDUFS4 transfected lysate (19.36 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-NDUFS4 full-length

Host Human

Theoretical MW (kDa) 19.36

Quality Control Testing Transient overexpression cell lysate was tested with Anti-NDUFS4 antibody ([H00004724-B01](#)) by Western Blots.
SDS-PAGE Gel
NDUFS4 transfected lysate.
Western Blot
Lane 1: NDUFS4 transfected lysate (19.36 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — NDUFS4

Entrez GeneID	4724
GeneBank Accession#	NM_002495.1
Protein Accession#	-
Gene Name	NDUFS4
Gene Alias	AQDQ
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)
Omim ID	252010 256000 602694
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes. [provided by RefSeq]
Other Designations	NADH dehydrogenase (ubiquinone) Fe-S protein 4 NADH dehydrogenase (ubiquinone) iron-sulfur protein 4 NADH-coenzyme Q reductase, 18-KD NADH-ubiquinone oxidoreductase 18 kDa subunit mitochondrial respiratory chain complex I (18-KD subunit)

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)