

Product datasheet for TP310482L

OriGene Technologies, Inc.

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NDUFA4 (NM_002489) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4,

9kDa (NDUFA4), nuclear gene encoding mitochondrial protein, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC210482

Expression cDNA Clone >RC210482 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MLRQIIGQAKKHPSLIPLFVFIGTGATGATLYLLRLALFNPDVCWDRNNPEPWNKLGPNDQYKFYSVNVD

YSKLKKERPDF

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 9.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 002480

Locus ID: 4697

UniProt ID: <u>000483</u>, <u>A0A024R9Z0</u>

RefSeq Size: 2058



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Cytogenetics: 7p21.3

RefSeq ORF: 243

Synonyms: CI-9k; CI-MLRQ; COXFA4; MC4DN21; MISTR1; MLRQ; MRCAF1

Summary: The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian

> complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is

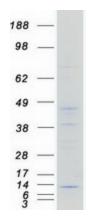
believed to be ubiquinone. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation,

Parkinson's disease

Product images:



Coomassie blue staining of purified NDUFA4 protein (Cat# [TP310482]). The protein was produced from HEK293T cells transfected with NDUFA4 cDNA clone (Cat# [RC210482]) using

MegaTran 2.0 (Cat# [TT210002]).