

Full-Length

NDUFA10 (Human) Recombinant Protein (P01)

Catalog # H00004705-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NDUFA10 full-length ORF (AAH03417, 1 a.a. - 355 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALRLLKLAATSASARVVAAGAQRVRGIHSSVQCKLRYGMWHFLLGDKASKRLTERSRVITVDGN
ICTGKGKLAKEIAEKLGFKEHFPEAGIHYPDSTTGDKPLATDYNNGCSLEKFYDDPRSNDGNSYRL
QSWLYSSRLLQYSDALEHLLTTGQGVVLERSIFSDFVFLEAMYNQGFIRKQCVDHYNEVKSVTICD
YLPPhLVYIDVPVPEVQRRIQKKGDPHEMKITSAYLQDIENAYKKTFLPEMSEKCEVLQYSAREAQ
DSKKVVEDIEYLKFDKGPWLKQDNRTLYHLRLLVQDKFEVLNYSIPIFLPEVTIGAHQTDRVLHQF
RELPGRKYSPGYNTEVGDKWWLK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.79

Interspecies Antigen Sequence

Mouse (77); Rat (76)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NDUFA10

Entrez GeneID[4705](#)**GeneBank Accession#**[BC003417](#)**Protein Accession#**[AAH03417](#)**Gene Name**

NDUFA10

Gene Alias

CI-42KD, MGC5103

Gene Description

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa

Omim ID[603835](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to the complex I 42kDA subunit family. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. This protein is a component of the hydrophobic protein fraction and has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. [provided by RefSeq]

Other Designations

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD)|NADH-ubiquinone oxidoreductase 42 kDa subunit

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

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