

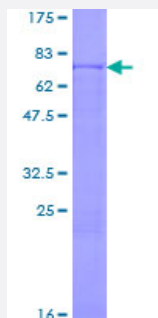
Full-Length

NDUFV1 (Human) Recombinant Protein (P01)

Catalog # H00004723-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NDUFV1 full-length ORF (NP_009034.2, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLATRRLLGWSLPARVSVRFSGDTTAPKKTSFGSLKDEDRIFTNLYGRHDWRLKGSLSRGDWYK
TKEILLKGPDWILGEIKTSGLRGRGGAGFPTGLKWSFMNKPSPGRPKYLVVNADEGEPTCKDR
EILRHDPHKLLEGCLVGGRAMGARAAYMRGEFYNEASNLQVAIREAYEAGLIGNACGSGYDFDV
FVVRGAGAYICGEETALIESIEGKQKGKPRPKPPFADVGFGCPTTVANVETVAVSPTICRRGGTW
FAGFGRERNSGKTLFNISGHVNHPCVVEEEMSVPLKELIEKHAGGVTGGWDNLLAVIPGGSSTPLI
PKSVCETVLMDFDALVQAQTGLGTAAVVMDRSTDIVKAIARLIEFYKHESCGQCTPCREGVDWM
NKVMARFVRGDARPAEIDSLWEISKQIEGTICALGDGAAWPVQGLIRHFRPELEERMQRFAQQH
QARQAAS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.2

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 — NDUFV1

Entrez GeneID[4723](#)**GeneBank Accession#**[NM_007103.2](#)**Protein Accession#**[NP_009034.2](#)**Gene Name**

NDUFV1

Gene Alias

CI-51kD, UQOR1

Gene Description

NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa

Omim ID[161015](#) [203450](#) [252010](#) [256000](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The NDUFV1 gene encodes the 51-kD subunit of complex I (NADH:ubiquinone oxidoreductase) of the mitochondrial respiratory chain.[supplied by OMIM]

Other Designations

Complex I-51kD|NADH dehydrogenase (ubiquinone) flavoprotein 1 (51kD)|NADH-ubiquinone oxidoreductase 51 kDa subunit

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)