

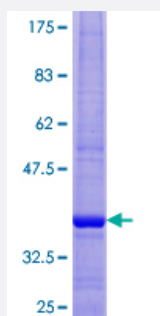
Full-Length

NDUFB2 (Human) Recombinant Protein (P01)

Catalog # H00004708-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFB2 full-length ORF (NP_004537.1, 1 a.a. - 105 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSALTRLASFARVGGRLFRSGCARTAGDGGVRHAGGGVHIEPRYRQFPQLTRSQVFQSEFFSGL MWFILWRFWHDSEEVLGHFPYPDPSQWTDEELGIPDDED
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.5
Interspecies Antigen Sequence	Mouse (83); 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 — NDUFB2

Entrez GeneID [4708](#)

GeneBank Accession# [NM_004546.2](#)

Protein Accession# [NP_004537.1](#)

Gene Name NDUFB2

Gene Alias AGGG, CI-AGGG, MGC70788

Gene Description NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa

Omim ID [603838](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transferring electron s from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I. [provided by RefSeq]

Other Designations NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2 (8kD, AGGG)|NADH-ubiquinone oxidoreductase AGGG subunit

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

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