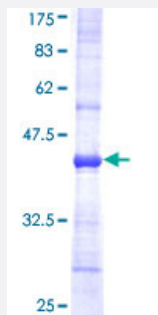


NDUFB5 (Human) Recombinant Protein (Q01)

Catalog # H00004711-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFB5 partial ORF (NP_002483, 95 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QAELAEIPEGYVPEHWEYYKHPISRWIARNFYDSPEKIYERTMAVLQIEAEKALRVKELEVRKLMH VRGDGPWYYYETIDKELIDHSPKATPDN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.19
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 — NDUFB5

Entrez GeneID [4711](#)

GeneBank Accession# [NM_002492](#)

Protein Accession# [NP_002483](#)

Gene Name NDUFB5

Gene Alias CI-SGDH, DKFZp686N02262, FLJ30597, MGC111204, MGC12314, SGDHI

Gene Description NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa

Omim ID [603841](#)

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. It locates at the mitochondrial inner membrane. 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]

Other Designations NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGDHI)|NADH-ubiquinone oxidoreductase SGDHI subunit

Pathway

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

Disease

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