

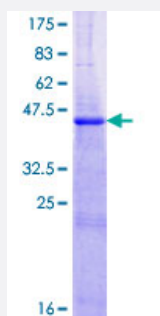
Full-Length

NDUFB5 (Human) Recombinant Protein (P01)

Catalog # H00004711-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFB5 full-length ORF (NP_002483.1, 1 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAMSLRRVSVTAVAALSGRPLGTRLGFGGFLTRGFPKAAAPVRHSGDHGKRLFVIRPSRFYD RRFLKLLRFYALTGIPVAIFITLVNVFIGQAELAEIPEGYVPEHWEYKHPISRWIARNFYDSPEKIYER TMAVLQIEAEKAEELRVKELEVRKLMHVRGDGPWYYYETIDKELIDHSPKATPDN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.2
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 — NDUFB5

Entrez GeneID	4711
GeneBank Accession#	NM_002492.2
Protein Accession#	NP_002483.1
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

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- [Oxidative phosphorylation](#)

Disease

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