

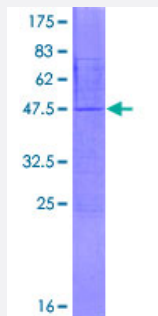
Full-Length

NDUFA8 (Human) Recombinant Protein (P01)

Catalog # H00004702-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFA8 full-length ORF (NP_055037.1, 1 a.a. - 172 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPGVLELPTLEELKVDEVKISSAVLKAAAHHYGAQCDKPNKEFMLCRWEEKDPRRCLEEGKLVN KCALDFFRQIKRHCAEPFTEYWTCIDYTGGQLFRHCRKQQAQKFDCEVLDKLGWVRPDLGELSKV TKVKTDRLPENPYHSRPRDPSPSIEGDLQPATHGSRFYFWTK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.5
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 — NDUFA8

Entrez GeneID [4702](#)

GeneBank Accession# [NM_014222.2](#)

Protein Accession# [NP_055037.1](#)

Gene Name NDUFA8

Gene Alias CI-19KD, CI-PGIV, MGC793, PGIV

Gene Description NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa

Omim ID [603359](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the complex I 19 kDa subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring 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 alpha subcomplex, 8 (19kD, PGIV)|NADH-ubiquinone oxidoreductase 19 kDa subunit|NADH:ubiquinone oxidoreductase PGIV subunit|OTTHUMP00000022034

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Tobacco Use Disorder](#)