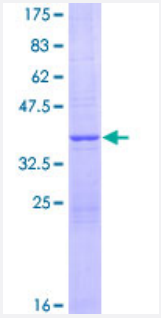
Full-Length

NDUFV3 (Human) Recombinant Protein (P01)

Catalog # H00004731-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFV3 full-length ORF (NP_001001503.1, 1 a.a. - 108 a.a.) recombinant protein with GST -tag at N-terminal.
Sequence	MAAPCLLRQGRAGALKTMLQEAQVFRGLASTVSLSAESGKSEKGQPQNSKKQSPPKKPAPVPA EPFDNTTYKNLQHHDYSTYTFLDLNLELSKFRMPQPSSGRESPRH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.3
Interspecies Antigen Sequence	Mouse (89); Rat (74)
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 — NDUFV3

Entrez GeneID	4731
GeneBank Accession#	NM_001001503.1
Protein Accession#	NP_001001503.1
Gene Name	NDUFV3
Gene Alias	CI-9KD
Gene Description	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa
Omim ID	602184
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is one of at least forty-one subunits that make up the NADH-ubi quinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The encoded protein is one of three proteins found in the flavoprotein fraction of the complex. The spe cific function of the encoded protein is unknown. Two transcript variants encoding different isofor ms have been found for this gene. [provided by RefSeq
Other Designations	NADH dehydrogenase (ubiquinone) flavoprotein 3 (10kD)|NADH-ubiquinone oxidoreductase 9 k D subunit|NADH-ubiquinone oxidoreductase flavoprotein 3|NADH-ubiquinone oxidoreductase flav oprotein 3, 10kD|complex I, mitochondrial respiratory chain, 10-kD subunit|m

Pathway

- Metabolic pathways

- Oxidative phosphorylation

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease
- Prostatic Neoplasms