

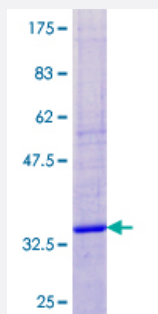
Full-Length

NDUFA4 (Human) Recombinant Protein (P01)

Catalog # H00004697-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NDUFA4 full-length ORF (NP_002480.1, 1 a.a. - 81 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLRQIIGQAKKHPSLIPLFVFIGTGATGATLYLLRLALFNPDVCWDRNNPEPWNLGPNDQYKFYS VNV DYSKLKKERPDF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.8
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — NDUFA4

Entrez GeneID	4697
GeneBank Accession#	NM_002489.2
Protein Accession#	NP_002480.1
Gene Name	NDUFA4
Gene Alias	CHMLRQ, FLJ27440, MGC104422, MGC126843, MGC126845, MLRQ
Gene Description	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
Omim ID	603833
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. 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 alpha subcomplex, 4 (9kD, MLRQ) NADH-ubiquinone oxidoreductase MLRQ subunit

Pathway

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