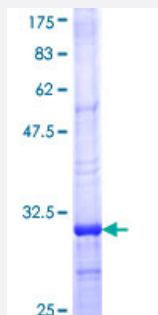


ND4 (Human) Recombinant Protein (Q01)

Catalog # H00004538-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ND4 partial ORF (YP_003024035.1, 406 a.a. - 459 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	YSLYIFTTTQWGSLTHHINNIKPSFTRENTLMFIHLSPILLLSLNPDITGFSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.68
Interspecies Antigen Sequence	Mouse (51); Rat (55)
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 — ND4

Entrez GeneID	4538
GeneBank Accession#	NC_012920.1
Protein Accession#	YP_003024035.1
Gene Name	ND4
Gene Alias	MTND4
Gene Description	NADH dehydrogenase, subunit 4 (complex I)
Gene Ontology	Hyperlink
Gene Summary	NADH dehydrogenase subunit 4
Other Designations	NADH dehydrogenase subunit 4

Pathway

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

Disease

- [Alzheimer Disease](#)

- [Asthenozoospermia](#)
- [Ataxia](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Infertility](#)
- [Insulin Resistance](#)
- [Leber hereditary optic neuropathy](#)
- [Long QT syndrome](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Oligospermia](#)
- [Optic Atrophy](#)
- [Parkinson disease](#)