

Full-Length

NDUFB4 (Human) Recombinant Protein (P01)

Catalog # H00004710-P01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human NDUFB4 full-length ORF (AAH00855.1, 1 a.a 129 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSFPKYKPSSLRTLPETLDPAEYNISPETRRAQAERLAIRAQLKREYLLQYNDPNRRGLIENPALLR WAYARTINVYPNFRPTPKNSLMGALCGFGPLIFIYYIIKTERDRKEKLIQEGKLDRTFHLSY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.93
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-HCI, 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 — NDUFB4	
Entrez GenelD	<u>4710</u>
GeneBank Accession#	<u>BC000855</u>
Protein Accession#	AAH00855.1
Gene Name	NDUFB4
Gene Alias	B15, CI-B15, MGC5105
Gene Description	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa
Omim ID	<u>603840</u>
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the complex I NDUFB4 subunit family. Mammalian c omplex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity an d oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediat e electron acceptor for the enzyme is believed to be ubiquinone. [provided by RefSeq
Other Designations	ADH-ubiquinone oxidoreductase B15 subunit NADH dehydrogenase (ubiquinone) 1 beta subcom plex, 4 (15kD, B15)

Pathway

- <u>Metabolic pathways</u>
- Oxidative phosphorylation