

Recombinant Human NDUFB4, His-tagged

Cat. No. NDUFB4-7585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NDUFB4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-87aa
Antigen Description	NDUFB4 is a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	12.6 kDa (110aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSPKYYK PSSRLTLPET LDPAEYNISP ETRRQAERL AIRAQLKREY LLQYNDPNRR GLIENPALLR WAYARTINVY PNFRPTPKNS
Purity	>90% as determined by SDS - PAGE
Applications	SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	NDUFB4?NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [?Homo sapiens?]
Official Symbol	NDUFB4
Synonyms	NDUFB4; B15; CI-B15; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4; complex I-B15; complex I B15 subunit; NADH-ubiquinone oxidoreductase B15 subunit; 15kDa; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4 (15kD, B15); NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa
Gene ID	4710
mRNA Refseq	NM_001168331
Protein Refseq	NP_001161803
MIM	603840
UniProt ID	O95168
Chromosome Location	3q13.33
Pathway	Alzheimer"s disease; Electron Transport Chain; Huntington"s disease; Metabolism

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Function

NADH dehydrogenase (ubiquinone) activity

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