

Recombinant Human NDUFB6

Cat. No. NDUFB6-29478TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NDUFB6 with a N terminal proprietary tag; Predicted MWt 39.82 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	128 amino acids
Description	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. 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. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified.
Molecular Weight	39.820kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

 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	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MTGYTPDEKLRLQLRELRRRWLKDQELSPREPVLPQKM GPMEKFWNKFLENK SPWRKMHVGVYKKSIFVFTHVLPVW IIHYMKYHVSEKPYGIVEKKSRIFFPGDTILE TGEVIPPM KEFPDQHH
Sequence Similarities	Belongs to the complex I NDUFB6 subunit family.
GENE INFORMATION	
Gene Name	NDUFB6 NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa [Homo sapiens]
Official Symbol	NDUFB6
Synonyms	NDUFB6; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (17kD, B17); NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6; B17; CI; complex I; mitochondrial respiratory chain; B17 su
Gene ID	4712
mRNA Refseq	NM_001199987
Protein Refseq	NP_001186916
MIM	603322
Uniprot ID	O95139

Chromosome Location	9p13.2
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	NADH dehydrogenase (ubiquinone) activity;

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