

Recombinant Human NDUF6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUF6-5507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUF6 MS Standard C13 and N15-labeled recombinant protein (NP_002484) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	15.5 kDa
AA Sequence	MTGYTPDEKLRLQLRELRRRWLKDQELSPREPVLPQKMGPMKFWNKFLENKS PWRKMHVGVYKKSIFVFTHVLPVWIIHYYMKYHVSEKPYGIVEKKSRIFFPGDTILET GEVIPPMPKEFPDQHHTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NDUFB6 NADH:ubiquinone oxidoreductase subunit B6 [Homo sapiens (human)]

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 subunit; NADH ubiquinone oxidoreductase B17 subunit; NADH ubiquinone oxidoreductase beta subunit; 6; CI-B17; complex I-B17; NADH-ubiquinone oxidoreductase B17 subunit; NADH-ubiquinone oxidoreductase beta subunit, 6; complex I, mitochondrial respiratory chain, B17 subunit; MGC13675;

Gene ID 4712

mRNA Refseq NM_002493

Protein Refseq NP_002484

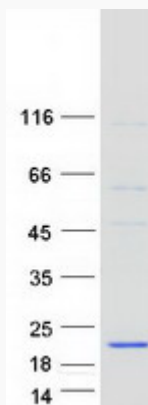
MIM 603322

UniProt ID O95139

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SDS-PAGE

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