

Recombinant Human NDUFA12 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFA12-699H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFA12 MS Standard C13 and N15-labeled recombinant protein (NP_061326) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein which is part of mitochondrial complex 1, part of the oxidative phosphorylation system in mitochondria. Complex 1 transfers electrons to ubiquinone from NADH which establishes a proton gradient for the generation of ATP. Mutations in this gene are associated with Leigh syndrome due to mitochondrial complex 1 deficiency. Pseudogenes of this gene are located on chromosomes 5 and 13. Alternative splicing results in multiple transcript variants.
Molecular Mass	17.1 kDa
AA Sequence	MELVQVLKRGLQQITGHGGLRGYLRVFFRTNDAKVGTLVGEDKYGNKYYEDNKQFF GRHRWVVYTTEMNGKNTFWDVDGSMVPPEWHRWLHSMDDPPTTKPLAARKFIW TNHKFNVTGTPEQYVPYSTTRKKIQEWIPPSTPYKTRTRPLEQKLISEEDLAANDILD YKDDDDKV
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 [NDUFA12 NADH:ubiquinone oxidoreductase subunit A12 \[Homo sapiens \(human\) \]](#)

Official Symbol [NDUFA12](#)

Synonyms NDUFA12; B17.2; DAP13; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12; CI-B17.2; complex I B17.2 subunit; 13 kDa differentiation-associated protein; NADH-ubiquinone oxidoreductase subunit B17.2; EC 1.6.5.3; EC 1.6.99.3

Gene ID [55967](#)

mRNA Refseq [NM_018838](#)

Protein Refseq [NP_061326](#)

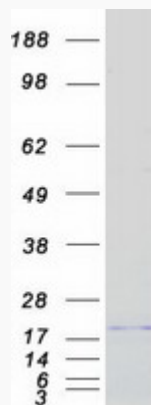
MIM [614530](#)

UniProt ID [Q9UI09](#)

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SDS-PAGE

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