Recombinant Human NDUFB9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFB9-6366H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFB9 MS Standard C13 and N15-labeled recombinant protein (NP_004996) 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 mitochondrial oxidative phosphorylation complex I (nicotinamide adenine dinucleotide: ubiquinone oxidoreductase). Complex I is localized to the inner mitochondrial membrane and functions to dehydrogenate nicotinamide adenine dinucleotide and to shuttle electrons to coenzyme Q. Complex I deficiency is the most common defect found in oxidative phosphorylation disorders and results in a range of conditions, including lethal neonatal disease, hypertrophic cardiomyopathy, liver disease, and adult-onset neurodegenerative disorders. Pseudogenes of this gene are found on chromosomes five, seven and eight. Alternative splicing results in multiple transcript variants.
Molecular Mass	21.8 kDa
AA Sequence	MAFLASGPYLTHQQKVLRLYKRALRHLESWCVQRDKYRYFACLMRARFEEHKNEK DMAKATQLLKEAEEEFWYRQHPQPYIFPDSPGGTSYERYDCYKVPEWCLDDWHPS EKAMYPDYFAKREQWKKLRRESWEREVKQLQEETPPGGPLTEALPPARKEGDLPP LWWYIVTRPRERPMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

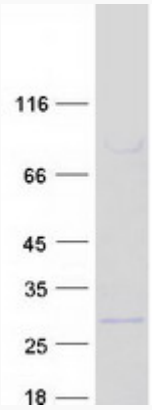
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NDUFB9 NADH:ubiquinone oxidoreductase subunit B9 [Homo sapiens (human)]
Official Symbol	NDUFB9
Synonyms	NDUFB9; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22); NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9; B22; complex I B22 subunit; LYRM3; UQOR22; CI-B22; complex I-B22; LYR motif-containing protein 3; NADH-ubiquinone oxidoreductase B22 subunit; FLJ22885; DKFZp566O173;
Gene ID	4715
mRNA Refseq	NM_005005
Protein Refseq	NP_004996
MIM	601445

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UniProt ID	Q9Y6M9
SDS-PAGE	

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