Recombinant Human NDUFAF5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFAF5-3181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C20orf7 MS Standard C13 and N15-labeled recombinant protein (NP_077025) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes a mitochondrial protein that is associated with the matrix face of the mitochondrial inner membrane and is required for complex I assembly. A mutation in this gene results in mitochondrial complex I deficiency. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	38.7 kDa
AA Sequence	MLRPAGLWRLCRRPWAARVPAENLGRREVTSGVSPRGSTSPRTLNIFDRDLKRKQ KNWAARQPEPTKFDYLKEEVGSRIADRVYDIPRNFPLALDLGCGRGYIAQYLNKETI GKFFQADIAENALKNSSETEIPTVSVLADEEFLPFKENTFDLVVSSLSLHWVNDLPRA LEQIHYILKPDGVFIGAMFGGDTLYELRCSLQLAETEREGGFSPHISPFTAVNDLGHL LGRAGFNTLTVDTDEIQVNYPGMFELMEDLQGMGESNCAWNRKALLHRDTMLAAA AVYREMYRNEDGSVPATYQIYYMIGWKYHESQARPAERGSATVSFGELGKINNLMP

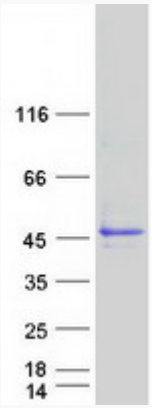
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	PGKKSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated 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	NDUFAF5 NADH:ubiquinone oxidoreductase complex assembly factor 5 [Homo sapiens (human)]
Official Symbol	NDUFAF5
Synonyms	NDUFAF5; NADH:ubiquinone oxidoreductase complex assembly factor 5; C20orf7; MC1DN16; dJ842G6.1; bA526K24.2; arginine-hydroxylase NDUFAF5, mitochondrial; NADH dehydrogenase (ubiquinone) complex I, assembly factor 5; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 5; probable methyltransferase C20orf7, mitochondrial; putative methyltransferase NDUFAF5
Gene ID	79133
mRNA Refseq	NM_024120
Protein Refseq	NP_077025

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MIM	612360
UniProt ID	Q5TEU4
SDS-PAGE	

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