

Recombinant Human NDUFA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFA5-5090H **Lot. No.** (See product label)

SPECIFICATION

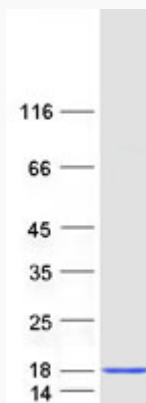
Product Overview	NDUFA5 MS Standard C13 and N15-labeled recombinant protein (NP_004991) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This nuclear gene encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. The encoded protein localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16.
Molecular Mass	13.5 kDa
AA Sequence	MAGVLKKTGLVGLAVCNTPHERLRILYTKILDVLEEIPKNAAYRKYTEQITNEKLAMV KAEPDVKKLEDQLQGGQLEEVILQAEHELNLARKMREWKLWEPLVEEPPADQWKW PITRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.

 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	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	NDUFA5 NADH:ubiquinone oxidoreductase subunit A5 [Homo sapiens (human)]
Official Symbol	NDUFA5
Synonyms	NDUFA5; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13); NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5; B13; CI 13kB; CI 13KD B; complex I 13kDa subunit B; NADH ubiquinone oxidoreductase 13 kDa B subunit; NUFM; type I dehydrogenase; ubiquinone reductase; UQOR13; Complex I-13KD-B; complex I subunit B13; NADH-ubiquinone oxidoreductase 13 kDa-B subunit; CI-13kB; CI-13KD-B; FLJ12147; DKFZp781K1356;
Gene ID	4698
mRNA Refseq	NM_005000
Protein Refseq	NP_004991
MIM	601677
UniProt ID	Q16718

SDS-PAGE

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