

Recombinant Human NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase), His-tagged

Cat. No. NDUFS3-346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFS3, 37-264aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	37-264 a.a.
Description	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, also known as NDUFS3, belongs to the complex I 30 kDa subunit family. The multisubunit NADH:ubiquinone oxidoreductase (complex I) is the first enzyme complex in the electron transport chain of mitochondria. The iron-sulfur protein (IP) fraction of complex I is made up of 7 subunits. Recombinant human NDUFS3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	28.7 kDa (249aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MESAGADTRP TVRPRNDVAH KQLSAFGEYV AEILPKYVQQ VQVSCFNELE VCIHPDGVIP VLTFLRDHTN AQFKSLVDLT AVDVPTRQNR FEIVYNLLSL RFNSRIRVKT YTDELTPIES AVSVFKAANW YEREIWDMMFG VFFANHPDLR RILTDYGFEG HPFRKDFPLS GYVELRYDDE

 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

VKRVVAEPVE LAQEFRKFDL NSPWEAFVY RQPPESLKLE AGDKKPDAK

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [NDUFS3 NADH dehydrogenase \(ubiquinone\) Fe-S protein 3, 30kDa \(NADH-coenzyme Q reductase\) \[Homo sapiens \]](#)

Official Symbol NDUFS3

Synonyms NDUFS3; NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 3 (30kD) (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial; CI 30; complex I 30kDa subunit; NADH dehydrogenase [ubiquinone] iron sulfur protein 3; mitochondrial; CI-30kD; complex I-30kD; NADH dehydrogenase-ubiquinone 30 kDa subunit; NADH-ubiquinone oxidoreductase 30 kDa subunit; CI-30;

Gene ID [4722](#)

mRNA Refseq [NM_004551](#)

Protein Refseq [NP_004542](#)

MIM [603846](#)

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UniProt ID	O75489
Chromosome Location	11p11.11
Pathway	3-phosphoinositide degradation, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	NADH dehydrogenase (ubiquinone) activity; NADH dehydrogenase activity; electron carrier activity; protein binding;

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