

# Product information



## NDUFA4, 1-81aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2707

**Full name:** NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4 **NCBI Accession No.:** NP\_002480

**Synonyms:** CI-9k, CI-MLRQ, MLRQ

**Description:** NDUFA4 belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Recombinant human NDUFA4 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

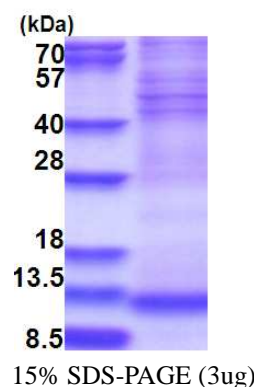
**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing

10% glycerol, 0.4M Urea

**Molecular Weight:** 11.8 kDa (104aa)

**Purity:** > 80 % by SDS - PAGE

**Concentration:** 1.0 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMLRQ I I G QAKKHPSL I P L F V F I G T G A T G A T L Y L L R L A L F N P D V C W D R N N P E P W N K L G P N D Q Y K F Y S V  
N V D Y S K L K K E R P D F

### General references:

Kim J.W., Lee Y., *et al.* (1997), *Biochem. Mol. Biol. Int.* 43:669-675

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

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246 Fax.: (763) 780-2988

Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)