

Recombinant human NDUFB4 protein

Catalog Number: ATGP2029

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-87aa

UniProt No.

O95168

NCBI Accession No.

NP_001161803

Alternative Names

"NADH:ubiquinone oxidoreductase subunit B4, NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4, Complex I-B15, CI-B15, NADH-ubiquinone oxidoreductase B15 subunit, Complex I-B15 NADH-ubiquinone oxidoreductase B15 subunit"

PRODUCT SPECIFICATION

Molecular Weight

12.6 kDa (110aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NDuFB4 is a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone. Recombinant human NDUFB4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

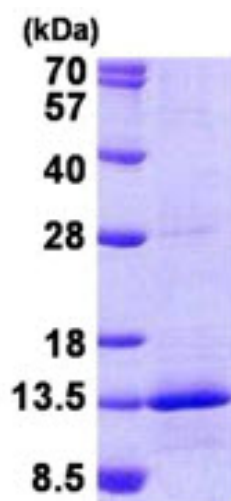
MGSSHHHHHHH SSGLVPRGSH MGSMSFPKYK PSSLRTPET LDPAEYNISP ETRRAQAERL AIRAQLKREY LLQYNDPNRR
GLIENPALLR WAYARTINVY PNRPTPKNS

General References

Murray J, Zhang B, et al. (2003). J Biol Chem. 278(16):13619-22.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)