

Recombinant human NDUFA2 protein

Catalog Number: ATGP1770

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-99aa

UniProt No.

O43678

NCBI Accession No.

NP_002479

Alternative Names

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2, Complex I-B8, CI-B8, NADH-ubiquinone oxidoreductase B8 subunit, NADH:ubiquinone oxidoreductase subunit A2

PRODUCT SPECIFICATION

Molecular Weight

13.3 kDa (122aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

NDuFA2 is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox. Mutations in this protein are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Recombinant human NDUFA2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

Recombinant human NDUFA2 protein

Catalog Number: ATGP1770

chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMAAAAAS RGVGAKLGLR EIRIHL CQRS PGSQGVRDFI EKRYVELKKA NPDLPI LIRE
CSDVQPKLWA RYAFGQETNV PLNNFSADQV TRALENVLSG KA

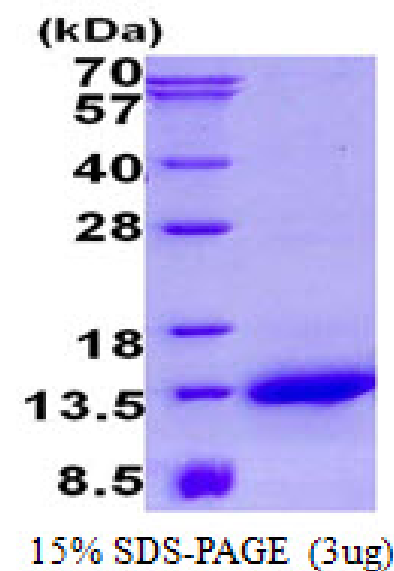
General References

Murray, J., et al. (2003) J. Biol. Chem. 278 (16), 13619-13622

Loeffen, J.L., et al. (1998) Biochem. Biophys. Res. Commun. 253 (2), 415-422.

DATA

SDS-PAGE



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