Recombinant human NDUFB9 protein

Catalog Number: ATGP2276

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-179aa

UniProt No.
Q9Y6M9

NCBI Accession No.
NP_004996

Alternative Names
NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 9, B22, LYRM3, uQOR22, NADH:ubiquinone oxidoreductase subunit B9, Complex I-B22, CI-B22, LYR motif-containing protein 3, NADH-ubiquinone oxidoreductase B22 subunit

PRODUCT SPECIFICATION

Molecular Weight
24.2 kDa (202aa)

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 85% 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
NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 9, also known as NDuFB9, belongs to the complex I LYR family. Localized to the inner mitochondrial membrane, as well as to the matrix side of the peripheral membrane, NDuFB9 functions as an accessory subunit of the multi-subunit mitochondrial membrane respiratory chain NADH dehydrogenase complex I. Complex I plays an important role in the transfer of electrons

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from NADH to the respiratory chain, a process that is essential for cellular respiration. Recombinant human NDuFB9 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

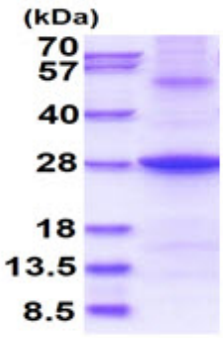
MGSSHHHHHH SSGLVPRGSH MGSMAFLASG PYLTHQQKVL RLYKRALRHL ESWCVQRDKY RYFACLMRAR FEEHKNEKDM AKATQLLKEA EEEFWYRQHP QPYIFPDSPG GTSYERYDCY KVPEWCLDDW HPSEKAMYPD YFAKREQWKK LRRESWEREV KQLQEETPPG GPLTEALPPA RKEGDLPPLW WYIVTRPRER PM

General References

Loeffen J L., et al. (1998) Biochem Biophys. 253:415-422.
Smeitink J A., et al. (1998) Hum Mol Genet. 7:1573-1579.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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