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Recombinant human NDUFS5 protein

Catalog Number: ATGP2556

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-106aa

UniProt No.
O43920

NCBI Accession No.
NP_001171908

Alternative Names
NADH:ubiquinone oxidoreductase subunit S5, NADH dehydrogenase [ubiquinone] iron-sulfur protein 5, NADH dehydrogenase (ubiquinone) Fe-S protein 5 15kDa, NADH-coenzyme Q reductase, Complex I-15 kDa, CI-15 kDa, NADH-ubiquinone oxidoreductase 15 kDa subunit

PRODUCT SPECIFICATION

Molecular Weight
14.9 kDa (129aa)

Concentration
1mg/ml (determined by Bradford assay)

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

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
NDuFS5 is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. This protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Recombinant human NDuFS5 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

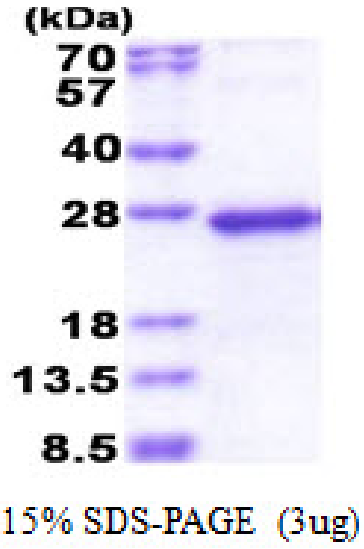
MGSSHHHHHH SSGLVPRGSH MGSMPFLDIQ KRFGLNIDRW LTIQSGEQPY KMAGRCHAFE KEWIECAHGI GYTRAEKECK IEYDDFVECL LRQKTMRRAG TIRKQRDKLI KEGKYTPPPH HIGKGEPRP

General References

Loeffen J. et al. (1999) J Inherit Metab Dis. 22:19-28.
Wang SY. et al. (2009) J Dig Dis.. 10:99-106.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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