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AR51376PU-S Human NDUFS5 (1-106, His-tag) - Purified

Alternate names: Complex I-15 kDa, NADH dehydrogenase [ubiquinone] iron-sulfur protein 5, NADH-ubiquinone oxidoreductase 15 kDa subunit

Quantity: 0.1 mg

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

Background: 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.

Uniprot ID: O43920

NCBI: NP_001171908

GeneID: 4725

Species: Human

Source: E. coli

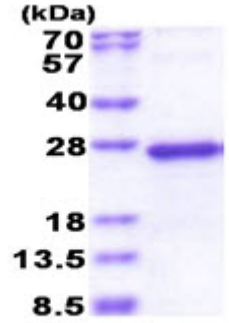
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Description: Recombinant human NDUFS5 protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMPFLDIQ KRFGLNIDRW LTIQSGEQPY KMAGRCHAFE KEWIECAHGI GYTRAEKECK IEYDDFVECL LRQKTMRRAG TIRKQRDKLI KEGKYTPPPH HIGKGEPRP
Molecular weight: 14.9 kDa (129aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)