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AR51169PU-S Human NDUFV3 (35-108, His-tag) - Purified

Alternate names: Complex I-9kD, NADH dehydrogenase [ubiquinone] flavoprotein 3, NADH-ubiquinone oxidoreductase 9 kDa subunit, Renal carcinoma antigen NY-REN-4, mitochondrial

Quantity: 0.1 mg

Concentration: 0.25 mg/ml (determined by BRADFORD assay)

Background: NDUFV3 is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene.

Uniprot ID: P56181

NCBI: NP_001001503

GeneID: 4731

Species: Human

Source: E. coli

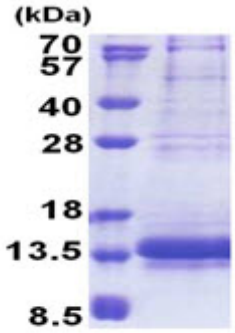
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA

Description: Recombinant human NDUFV3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSSAESGKS EKGQPQNSKK QSPPKKPAPV PAEPFDNTTY KNLQHHDYST YTFLDLNLEL SKFRMPQPSS GRESPRH
Molecular weight: 10.8 kDa (97aa) confirmed by MALDI-TOF

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: Hendrickson,S.L., et al. (2010) PLoS ONE 5 (9), E12862Saito,A., et al. (2009) J. Hum. Genet. 54 (6), 317-323

Pictures:



15% SDS-PAGE (3ug)