

AR50599PU-S**Human NDUFAF1 (25-327, His-tag) - Purified**

Alternate names:	CGI-65, CIA30, Complex I intermediate-associated protein 30, mitochondrial, mitochondrial NDUFAF1
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	NDUFAF1 is a complex I assembly factor protein. Complex I (NADH-ubiquinone oxidoreductase) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. The protein is required for assembly of complex I, and mutations in this protein are a cause of mitochondrial complex I deficiency.
Uniprot ID:	Q9Y375
NCBI:	NP_057097
GeneID:	51103
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT, 2mM EDTA
Description:	Recombinant human NDUFAF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGS SHHHHHH SSGLVPRGSH MGSYPFLGIR FAEYSSSLQK PVASPGKASS QRKTEGDLQG DHQKEVALDI TSSEKPDVS FDKAIRDEAI YHFRLKDEI VDHWRGPEGH PLHEVLLLEQA KVVWQFRGKE DLDKWTVTSD KTIGGRSEVF LKMGKNNQSA LLYGTLSSSEA PQDGESTRSG YCAMISRIPR GA FERKMSYD WSQFNTLYLR VRGDGRPWMV NIKEDTDFEQ RTNQMYSYFM FTRGGPYWQE VKIPFSKFFF SNRGRIRDVQ HELPLDKISS IGFTLADKVD GPFLEIDFI GVFTDPAHTE EFAYENSPEL NPRLFK Molecular weight: 37 kDa (326aa), 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:	Vogel RO., et al. (2005). FEBS J. 272(20):5317-26. Janssen R., et al. (2002). Hum Genet. 110(3):264-70.

Pictures:

