

NDUFAF1, 25-327aa, Human, His tag, E.coli

Cat.NO.: TP03125

3th Edition

Synonyms:Complex I intermediate-associated protein 30, CGI-65; CGI65; CIA30.

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT, 2mM EDTA

Molecular Weight:37 kDa (326aa), confirmed by MALDI-TOF

Sequences:

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MGSSHHHHHHSSGLVPRGSHMGSYPLGIRFAEYSSSLQKPVASPGKASSQRKTEGDLQGDHQKEVALDITSSEE
KPDVSFDKAIRDEAIYHFRLKDEIVDHWRGPEGHPLHEVLLEQAKVWVQFRGKEDLDKWTVTSDKTIGGRSEVFL
KMGKNNQSALLYGTLSSSEAPQDGESTRSGYCAMISRIPRGAFERKMSYDWSQFNTLYLRVRGDGRPWMVNIKED
TDFFQRTNQMYSYFMFTRGGPYWQEVKIPFSKFFFSNRGRIRDVQHELPLDKISSIGFTLADKVDGPPFFLEIDFIGVF
TDPAHTEEFAYENSPELNPRLFK
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Purity:> 95% by HPLC

Concentration:0.5 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.