
Product Data Sheet

Product Name: NDUFAF1 Human
 Cat. No.: GP21983
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Complex I intermediate-associated protein 30; mitochondrial; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 1; NDUFAF1; CIA30; CGI-65; CGI65.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSYPFLGIR FAEYSSSLQK PVASPGKASS QRKTEGDLQG DHQKEVALDI TSSEKPDVS FDKAIRDEAI YHFRLKDEI VDHWRGPEGH PLHEVLLEQA KVVWQFRGKE DLDKWTVTSD KTIGGRSEVF LKMGKNNQSA LLYGTLSSSEA PQDGESTRSG YCAMISRIPR GAFERKMSYD WSQFNTLYLR VRGDGRPWMV NIKEDTDFEQ RTNQMYSYFM FTRGGPYWQE VKIPFSKFFF SNRGRIRDVQ HELPLDKISS IGFTLADKVD GPFFLEIDFI GVFTDPAHTE EFAYENSPEL NPRLFK.		
Formulation	The NDUFAF1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4 (NDUFAF4) is involved in the compilation of mitochondrial NADH: ubiquinone oxidoreductase complex (complex I). In addition, NDUFAF4 is involved in cell proliferation and survival of hormone-dependent tumor cells. NDUFAF4 may also be a regulator of breast tumor cell invasion. NDUFAF4 gene mutations cause the mitochondrial complex I deficiency.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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NDUFAF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 326 amino acids (25-327) and having a molecular mass of 37kDa. NDUFAF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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