
Product Data Sheet

Product Name: NDUFS6 Human
 Cat. No.: GP21992
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NADH Dehydrogenase (Ubiquinone) Fe-S Protein 6 13kDa (NADH-Coenzyme Q Reductase); Complex I Mitochondrial Respiratory Chain 13-KD Subunit; NADH Dehydrogenase [Ubiquinone] Iron-Sulfur Protein 6 Mitochondrial; NADH: Ubiquinone Oxidoreductase NDUFS6 Subunit; NADH-Ubiquinone Oxidoreductase 13 KDa-A Subunit; Complex I-13kD-A; CI13KDA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSFGVRVSP TGEKVTHTGQ VYDDKDYRRI RFVGRQKEVN ENFAIDLIAE QPVSEVETRV IACDGGGGAL GHPKVYINLD KETKTGTCGY CGLQFRQH HH		
Formulation	The NDUFS6 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.		

Introduction

NADH Dehydrogenase Fe-S Protein 6 (NDUFS6) is a subunit of the NADH: ubiquinone oxidoreductase (complex I), which is the 1st enzyme complex in the electron transport chain of the mitochondria. This complex operates in the transfer of electrons from NADH to the respiratory chain. NDUFS6 is one of seven subunits in the iron-sulfur protein segment. DNA alterations in NDUFS6 are the cause for mitochondrial complex I deficiency, a disease which results in an extensive assortment of clinical disorders, like adult-onset neurodegenerative disorders and neonatal disease.

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

Product Data Sheet

Background

NADH Dehydrogenase (Ubiquinone) Fe-S Protein 6 13kDa (NADH-Coenzyme Q Reductase), Complex I Mitochondrial Respiratory Chain 13-KD Subunit, NADH Dehydrogenase [Ubiquinone] Iron-Sulfur Protein 6 Mitochondrial, NADH: Ubiquinone Oxidoreductase NDUFS6 Subunit, NADH-Ubiquinone Oxidoreductase 13 KDa-A Subunit, Complex I-13kD-A, CI13KDA.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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