
Product Data Sheet

Product Name: NDUFB4 Human
 Cat. No.: GP21986
 Batch No.: 1

Product Data

Purity	>98%	Source	E.Coli
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	B15; CI-B15; Complex I-B15; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4; NADH-ubiquinone oxidoreductase B15 subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSFPKYK PSSLRTLPEL DPAAEYNISP ETRAQAERL AIRAQLKREY LLQYNDPNRR GLIENPALLR WAYARTINVY PNFRPTPKNS.		
Formulation	The NDUFB4 solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea And 10% glycerol.		

Introduction

NADH Dehydrogenase 1 Beta Subcomplex 4 (NDUFB4) is a member of the complex I NDUFB4 subunit family. NDUFB4 is a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, which is the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is comprised of 45 different subunits and transfers electrons from NADH to ubiquinone.

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

NDUFB4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 110 amino acids (1-87) and having a molecular mass of 12.6kDa. NDUFB4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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