
Product Data Sheet

Product Name: NDUFV3 Human
 Cat. No.: GP21994
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NADH Dehydrogenase (Ubiquinone) Flavoprotein 3 10kDa; Renal Carcinoma Antigen NY-REN-4; NADH-Ubiquinone Oxidoreductase 9 KDa Subunit; EC 1.6.5.311; CI-10k; Complex I 10kDa		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSAESGKS EKGQPQNSKK QSPPKKPAPV PAEPFDNTTY KNLQHHDYST YTFDLNLEL SKFRMPQPSS GRESPRH		
Formulation	The NDUFV3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT, 2mM EDTA and 50% glycerol.		

Introduction

NDUFV3 is one of no less than 41 subunits which form the NADH-ubiquinone oxidoreductase complex that is involved in the mitochondrial respiratory chain and assists in catalyzing the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. NDUFV3 is 1 of 3 proteins found in the flavoprotein fraction of the complex but its exact function is unknown. Two transcript variants encoding altered isoforms are known for this gene.

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

NDUFV3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 97 amino acids (35-108) and having a molecular mass of 10.8kDa. NDUFV3 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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