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## Product Data Sheet

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Product Name: NDUFB9 Human  
 Cat. No.: GP21987  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 9; B22; LYRM3; UQOR22; Complex I-B22; CI-B22; LYR motif-containing protein 3; NADH-ubiquinone oxidoreductase B22 subunit; NDUFB9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASFLASG PYLTHQQKVL RLYKRALRHL ESWCVQRDKY RYFACLMRAR FEEHKNEKDM AKATQLLKEA EEEFWYRQHP QPYIFPDSPG GTSYERYDCY KVPEWCLDDW HPSEKAMYPD YFAKREQWKK LRRESWEREV KQLQEETPPG GPLTEALPPA RKEGDLPLPW WYIVTRPRER PM.		
Formulation	The NDUFB9 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 9 (NDUFB9) which is a part of the complex I LYR family is localized to the internal mitochondrial membrane, as well as to the matrix side of the peripheral membrane. NDUFB9 serves as an accessory subunit of the multi-subunit mitochondrial membrane respiratory chain NADH dehydrogenase complex I. Complex I takes a crucial part in the transfer of electrons from NADH to the respiratory chain, a process which is vital for cellular respiration.

### 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

NDUFB9 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 202 amino acids (1-179) and having a molecular mass of

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

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24.2kDa.NDUFB9 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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