
Product Data Sheet

Product Name: NDUFA2 Human
 Cat. No.: GP21980
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2; Complex I-B8; CI-B8; NADH-ubiquinone oxidoreductase B8 subunit; NDUFA2; CD14; CIB8.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAAAAS RGVGAKLGLR EIRIHLQRS PGSQGVRDFI EKRYVELKKA NPDLPILIRE CSDVQPKLWA RYAFGQETNV PLNNFSADQV TRALENVLSG KA.		
Formulation	The NDUFA2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 (NDUFA5) is a member of the complex I NDUFA5 subunit family. The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain that transfers electrons from NADH to ubiquinone. The NDUFA5 protein localizes to the inner mitochondrial membrane as part of the seven component-containing, water soluble 'iron-sulfur protein' (IP) fraction of complex I, even though its exact role is undetermined.

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

NDUFA2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 122 amino acids (1-99) and having a molecular mass of 13.3kDa. NDUFA2 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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