
Product Data Sheet

Product Name: NDUFS5 Human

Cat. No.: GP21991

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CI-15k; CI15K; NADH dehydrogenase [ubiquinone] iron-sulfur protein 5; Complex I-15 kDa; NADH-ubiquinone oxidoreductase 15 kDa subunit; CI-15 kDa; NDUFS5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPFLDIQ KRFGLNIDRW LTIQSGEQPY KMAGRCHAFE KEWIECAHGI GYTRAEKECK IEYDDFVECL LRQKTMRRAG TIRKQRDKLI KEGKYTPPPH HIGKGEPRP.		
Formulation	The NDUFS5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

Histidine NADH Dehydrogenase Fe-S Protein 5 (NDUFS5) belongs to the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. NDUFS5 is a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which doesn't take part in catalysis. Complex I is transferring the electrons from NADH to the respiratory chain.

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

NDUFS5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 129 amino acids (1-106a.a) and having a molecular mass of 14.9kDa. NDUFS5 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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