
Product Data Sheet

Product Name: NDUFAF4 Human
 Cat. No.: GP21985
 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 assembly factor 4; Hormone-regulated proliferation-associated protein of 20 kDa; NDUFAF4; C6orf66; HRPAP20; HSPC125; My013; bA22L21.1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGALVIR GIRNFLENR AEREISKMKP SVAPRHPSTN SLLREQISLY PEVKGEIARK DEKLLSFLKD VYVDSKDPVS SLQVCAAETC QEPKEFRLPK DHHFDMINIK SIPKGGKISIV EALTLLNNHK LFPETWTAEK IMQEYQLEQK DVNSLLKYFV TFEVEIFPPE DKKAIRSK.		
Formulation	The NDUFAF4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4 (NDUFAF4) is involved in the compilation of mitochondrial NADH: ubiquinone oxidoreductase complex (complex I). In addition, NDUFAF4 is involved in cell proliferation and survival of hormone-dependent tumor cells. NDUFAF4 may also be a regulator of breast tumor cell invasion. NDUFAF4 gene mutations cause the mitochondrial complex I deficiency.

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

NDUFAF4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (1-175) and having a molecular mass of 22.7kDa. NDUFAF4 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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