

Datasheet for ABIN6387051 NDUFA5 Protein (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	NDUFA5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDUFA5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purification:	purified by chromatography
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	NDUFA5
Alternative Name:	NDUFA5 (NDUFA5 Products)
Background:	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5, also known as NDUFA5, belongs to the complex I NDUFA5 subunit family. The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. The high degree of conservation of NDUFA5 extending to plants and fungi indicates its functional significance in the enzyme complex. The protein localizes to the inner mitochondrial membrane as part of the 7 component-containing, water soluble 'iron-sulfur

Target Details

protein' (IP) fraction of complex I, although its specific role is unknown. It is assumed to undergo post-translational removal of the initiator methionine and N-acetylation of the next amino acid. Recombinant human NDUFA5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

Molecular Weight: 15.8 kDa (139aa) confirmed by MALDI-TOF

NCBI Accession: [NP_004991](#)

Application Details

Comment: Synonyms: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5, B13, CI-13kB, CI-13KD-B, NUFM, UQOR13

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15 M NaCl, 10% glycerol, 1 MM DTT

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

Images

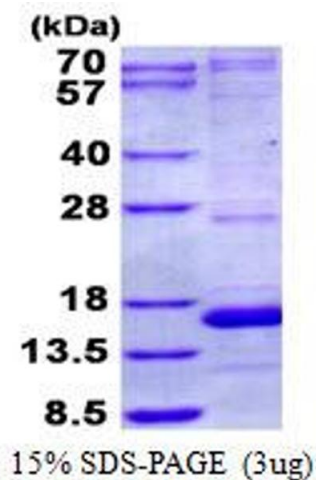


Image 1.