

Product datasheet

Recombinant Human NDUFS2 protein (denatured)
ab174413

1 Image

Description	
Product name	Recombinant Human NDUFS2 protein (denatured)
Purity	> 80 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>O75306</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSVKNITLNFGPQHAAH GVLRLVMELSG EMVRKCDPHIGLLHRGTEKLIEYKTYLQALPYFDRLDYVSM MCNEQAYSL AVEKLLNIRPPRAQWIRVLFGEITRLLNHIMAVTTHALDLG AMTPFFWL FEEREKMFEFYERVSGARMHAAYIRPGGVHQDLPLGLMD DIYQFSKNFSL RLDELEELLTNNRWRNRTIDIGVVTAEEALNYGFSGVMLR GSGIQWDLR KTQPYDVYDQVEFDVPVGSRGDCYDRYLCRVEEMRQSL RIAQCLNKMPP GEIKVDDAKVSPPKRAEMKTSMESLIHHFKLYTEGYQVPP GATYTAIEAP KGEFGVYLVSDGSSRPYRCKIKAPGFAHLA GLDKMSKGH MLADVVAIGT QDMFGEVDR
Predicted molecular weight	47 kDa including tags
Amino acids	77 to 463
Tags	His tag N-Terminus
Additional sequence information	(NCBI Accession No.: NP_004541).
Description	Recombinant Human NDUFS2 protein

Specifications

Our **Abpromise guarantee** covers the use of **ab174413** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

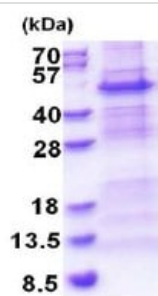
Function Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

Involvement in disease Defects in NDUFS2 are a cause of mitochondrial complex I deficiency (MT-C1D) [MIM:252010]. A disorder of the mitochondrial respiratory chain that causes a wide range of clinical disorders, from lethal neonatal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease.

Sequence similarities Belongs to the complex I 49 kDa subunit family.

Cellular localization Mitochondrion inner membrane.

Images



15% SDS-PAGE analysis of ab174413 (3 µg).

SDS-PAGE - Recombinant Human NDUFS2 protein
(denatured) (ab174413)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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