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Product datasheet

Recombinant Human NDUFS2 protein ab152560

1 Image

Description

Product name	Recombinant Human NDUFS2 protein
Expression system	Wheat germ
Accession	O75306
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAALRALCGFRGVAAQVLRPGAGVRLPIQPSRGVRQWQ PDVEWAQQFGGA VMYPSKETAHWKPPPWNDVDPPKDTIVKNITLNFGPQHP AAHGVLRLVME LSGEMVRKCDPHIGLLHRGTEKLIEYKTYLQALPYFDRLDY VSMMCNEQA YSLAVEKLLNIRPPPRAQWIRVLFGEITRLLNHIMAVTTHAL DLGAMTPF FWLFEEREKMFEFYERVSGARMHAAYIRPGGVHQDLPLG LMDDIYQFSKN FSLRLDELEELLTNNRIWRNRTIDIGVVTAEEALNYGFSGV MLRGSGIQW DLRKTQPYDVYDQVEFDVPVGSRGDCYDRYLCRVEEMR QSLRIIAQCLNK MPPGEIKVDDAKVSPPKRAEMKTSMESLIHHFKLYTEGYQ VPPGATYTAI EAPKGEFGVYLVSDGSSRPYRCKIKAPGFAHLAGLDKMS KGHMLADVVAI IGTQDIVFGEVDR
Predicted molecular weight	79 kDa including tags
Amino acids	1 to 463
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab152560** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	

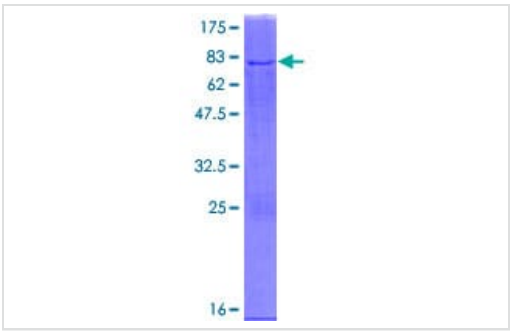
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

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



SDS-PAGE - Recombinant Human NDUFS2 protein (ab152560)

12.5% SDS-PAGE analysis of ab152560 stained with Coomassie Blue.

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