NDUFB5 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	NDUFB5, Lysate
Full Product Name	Human NDUFB5 Protein Lysate
Product Gene Name	NDUFB5 lysate
Product Synonym Names	NDUFB5; CISGDH; SGDH
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	17kDa
OMIM	603841
3D Structure	ModBase 3D Structure for O43674
Related Product Information for NDUFB5 lysate	Human NDUFB5 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of NDUFB5 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NDUFB5 purchase	MBS8415898 is a lysate targeting NDUFB5. Also known as Human NDUFB5 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFB5. It may not necessarily be applicable to this product.

NCBI GI #	4505363
NCBI GeneID	4711
NCBI Accession #	NP_002483
UniProt Primary Accession #	O43674
UniProt Related Accession #	O43674
GenBank Nucleotide #	NM_002492
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit B5
NCBI Official Symbol	NDUFB5
NCBI Official Synonym Symbols	SGDH; CISGDH
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial
UniProt Synonym Protein Names	Complex I-SGDH; CI-SGDH; NADH-ubiquinone oxidoreductase SGDH subunit

Protein Family	NADH dehydrogenase
UniProt Gene Name	NDUFB5
UniProt Synonym Gene Names	CI-SGDH
UniProt Entry Name	NDUB5_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial
NCBI Summary for NDUFB5	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]
Research Articles on NDUFB5	**1.** This protein has been found differentially expressed in the temporal lobe from patients with schizophrenia.
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