

Product datasheet for **TP510318**

Ndufs1 (NM_145518) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NADH:ubiquinone oxidoreductase core subunit S1 (Ndufs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210318 representing NM_145518 Red =Cloning site Green =Tags(s)

MLRIPIKRALIGLSNSPKGYVRTTGTAASNLIIEVFDGQSVMEVPGTTVLQACEKVGMIIPFCYHERLS
VAGNCRMCLVEIEKAPKVAACAMPVMKGWNILTNSEKSKKAREGVMEFLLANHPLDCPICDQGGECDLQ
DQSMFMFGSDRSRFLLEGKRAVEDKNIGPLVKTIMTRCIQCTRCIRFASEIAGVDDLGTTRGNDMQVGTYI
EKMFMESELGNVIDICPVGALTSKPYAFTARPWETRKTESIDVMDAVGNSNIVSTRTEVVMRILPRMHED
INEEWISDKTRFAYDGLKRQRLTEPMVRNEKGLLTYTSWEDALSRVAGMLQNFEGNAVAIAGGLVDAEA
LVALKDLLNKVDSNLCTEEIIFTEGAGTDLRSNYLLNTTIAGVEEADVLLVGTNPRFEAPLFNARIRK
SWLHNDLKVVALIGSPVDLTYRYDHLGDSPKILQDIASGRHSFCEVLKDAKKPMVVLGSSALQRDDGAIL
VAVSNMVQKIRVTTGVAAEWKVMNHLHRIASQVAALDLGYKPGVEAIRKNPPKMLFLLGADGGCITRQDL
PKDCFIVYQGHGVDVGAPMADVILPGAAYTEKSATYVNTTEGRAQQTKVAVTPPGLAREDWKIIRALSEIA
GITLPYDTLDQVRNRLEEVSPNLVRYDDIEETNYFQQASELAKLVNQEVLADPLVPPQLTIKDFYMTDSI
SRASQTMACVKAVTEGAQAVEEPSIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	79.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_663493
Locus ID:	227197
UniProt ID:	Q91VD9
RefSeq Size:	2674
Cytogenetics:	1 C2
RefSeq ORF:	2181
Synonyms:	5830412M15Rik; 9930026A05Rik
Summary:	<p>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 (By similarity). This is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>