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Product datasheet for TP302713L

NDUFS4 (NM_002495) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase) (NDUFS4), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202713 protein sequence Red=Cloning site Green=Tags(s) MAAVSMSVVLRQTLWRRRAVAVAALSVSRVPTRSLRTSSWRLAQDQTQDTQLITVDEKLDITTLTGVPEE HIKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFAEK NGWSYDIEERKVPKPKSKSYGANFSWNKRTRVSTK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	15.3 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_002486
Locus ID:	4724
UniProt ID:	O43181, A0A0S2Z433

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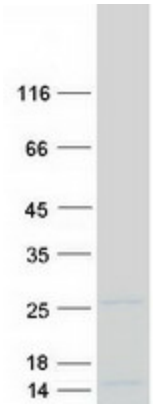
RefSeq Size:	676
Cytogenetics:	5q11.2
RefSeq ORF:	525
Synonyms:	AQDQ; CI-18; CI-18 kDa; CI-AQDQ; MC1DN1
Summary:	This gene encodes an nuclear-encoded accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I, or NADH:ubiquinone oxidoreductase). Complex I removes electrons from NADH and passes them to the electron acceptor ubiquinone. Mutations in this gene can cause mitochondrial complex I deficiencies such as Leigh syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Protein Families:	Druggable Genome
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:



Coomassie blue staining of purified NDUFS4 protein (Cat# [TP302713]). The protein was produced from HEK293T cells transfected with NDUFS4 cDNA clone (Cat# [RC202713]) using MegaTran 2.0 (Cat# [TT210002]).