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Product datasheet for AR51100PU-S

NDUFB9 (1-179, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	NDUFB9 (1-179, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAFLASG PYLTHQQKVL RLYKRALRHL ESWCVQRDKY RYFACLMRAR FEEHKNEKDM AKATQLLKEA EEEFWYRQHP QPYIFPDSPG GTSYERYDCY KVPEWCLDDW HPSEKAMYPD YFAKREQWKK LRRESWEREV KQLQEETPPG GPLTEALPPA RKEGDLPPLW WYIVTRPRER PM
Tag:	His-tag
Predicted MW:	24.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NDUFB9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001265574
Locus ID:	4715
Cytogenetics:	8q24.13
Synonyms:	B22; CI-B22; LYRM3; MC1DN24; UQOR22

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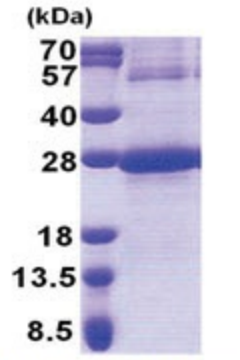
Summary: The protein encoded by this gene is a subunit of the mitochondrial oxidative phosphorylation complex I (nicotinamide adenine dinucleotide: ubiquinone oxidoreductase). Complex I is localized to the inner mitochondrial membrane and functions to dehydrogenate nicotinamide adenine dinucleotide and to shuttle electrons to coenzyme Q. Complex I deficiency is the most common defect found in oxidative phosphorylation disorders and results in a range of conditions, including lethal neonatal disease, hypertrophic cardiomyopathy, liver disease, and adult-onset neurodegenerative disorders. Pseudogenes of this gene are found on chromosomes five, seven and eight. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:



15% SDS-PAGE (3ug)