

Recombinant Human NDUFB9, His-tagged

Cat. No. NDUFB9-2276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NDUFB9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	202aa
Description	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 9, also known as NDUFB9, belongs to the complex I LYR family. Localized to the inner mitochondrial membrane, as well as to the matrix side of the peripheral membrane, NDUFB9 functions as an accessory subunit of the multi-subunit mitochondrial membrane respiratory chain NADH dehydrogenase complex I. Complex I plays an important role in the transfer of electrons from NADH to the respiratory chain, a process that is essential for cellular respiration.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	24.2kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASFLASG PYLTHQQKVL RLYKRALRHL ESWCVQRDKY RYFACLMRAR FEEHKNEKDM AKATQLLKEAEEEFWYRQHP QPYIFPDSPG GTSYERYDCY KVPEWCLDDW HPSEKAMYPD YFAKREQWKK LRRESWEREV KQLQEETPPG GPLTEALPPA RKEGDLPLPW WYIVTRPRER PM

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml
GENE INFORMATION	
Gene Name	NDUFB9 NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa [Homo sapiens]
Official Symbol	NDUFB9
Synonyms	NDUFB9; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22); NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9; B22; complex I B22 subunit; LYRM3; UQOR22; CI-B22; complex I-B22; LYR motif-containing protein 3; NADH-ubiquinone oxidoreductase B22 subunit; FLJ22885; DKFZp566O173;
Gene ID	4715
mRNA Refseq	NM_005005
Protein Refseq	NP_004996
MIM	601445
UniProt ID	Q9Y6M9

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Chromosome Location	8q24.13
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	NADH dehydrogenase (ubiquinone) activity;

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