

## Product datasheet for **AR51527PU-N**

### NDUFA4 (1-81, His-tag) Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | NDUFA4 (1-81, His-tag) human recombinant protein, 0.5 mg   |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMLRQIIG QAKKHPSLIP LFVFIGTGAT GATLYLLRLA LFNPDVCWDR NNPEPWNKLG PNDQYKFYSV NVDYSKLLKE RPDF                                 |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 11.8 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >80% by SDS - PAGE   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea |
| Preparation:                          | Liquid purified protein  |
| Protein Description:                  | Recombinant human NDUFA4 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:                               | <a href="#">NP_002480</a>  |
| Locus ID:                             | 4697   |
| UniProt ID:                           | <a href="#">O00483</a> , <a href="#">A0A024R9Z0</a>  |
| Cytogenetics:                         | 7p21.3   |
| Synonyms:                             | CI-9k; CI-MLRQ; COXFA4; MC4DN21; MISTR1; MLRQ; MRCAF1  |



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**Summary:**

The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. 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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Transmembrane

**Protein Pathways:**

Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

**Product images:**