

# Product datasheet for AR50594PU-S

# NDUFA2 (1-99, His-tag) Human Protein

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

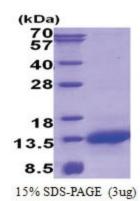
| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | NDUFA2 (1-99, His-tag) human recombinant protein, 50 μg  |
| Species:                                 | Human  |
| Expression Host:                         | E. coli  |
| Expression cDNA Clone<br>or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMAAAAAS RGVGAKLGLR EIRIHLCQRS PGSQGVRDFI<br>EKRYVELKKA NPDLPILIRE CSDVQPKLWA RYAFGQETNV PLNNFSADQV TRALENVLSG KA                        |
| Tag:                                     | His-tag  |
| Predicted MW:                            | 13.3 kDa   |
| Concentration:                           | lot specific   |
| Purity:                                  | >95% by SDS - PAGE   |
| Buffer:                                  | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM<br>DTT |
| Preparation:                             | Liquid purified protein  |
| Protein Description:                     | Recombinant human NDUFA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.          |
| Storage:                                 | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.                                     |
| Stability:                               | Shelf life: one year from despatch.  |
| RefSeq:                                  | <u>NP 001171941</u>  |
| Locus ID:                                | 4695   |
| UniProt ID:                              | <u>O43678</u>  |
| Cytogenetics:                            | 5q31.3   |
| Synonyms:                                | B8; CD14; CIB8; MC1DN13  |
|  |  |



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|                 | NDUFA2 (1-99, His-tag) Human Protein – AR50594PU-S  |
|-----------------|---|
| Summary:        | The encoded protein is a subunit of the hydrophobic protein fraction of the<br>NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron<br>transport chain located in the inner mitochondrial membrane, and may be involved in<br>regulating complex I activity or its assembly via assistance in redox processes. Mutations in<br>this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative<br>disorder. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May<br>2010] |
| Protein Pathway | <b>s:</b> Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease   |

# **Product images:**



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