

## Product datasheet for **AR50586PU-N**

### NDUFA5 (1-116, His-tag) Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | NDUFA5 (1-116, His-tag) human protein, 0.1 mg  |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMAGVLKK TTGLVGLAVC NTPHERLRIL YTKILDVLEE<br>IPKNAAYRKY TEQITNEKLA MVKAEPDVKK LEDQLQGGQL EEVILQAEHE LNLARKMREW<br>KLWEPLVEEP PADQWKWPI |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 15.8 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >90% 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 DTT  |
| Preparation:                          | Liquid purified protein  |
| 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:                               | <a href="#">NP_001269348</a>   |
| Locus ID:                             | 4698   |
| UniProt ID:                           | <a href="#">Q16718</a> , <a href="#">A0A087X1G1</a>  |
| Cytogenetics:                         | 7q31.32  |
| Synonyms:                             | B13; CI-13kB; CI-13KD-B; NUFM; UQOR13  |


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**Summary:**

This nuclear gene encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. The encoded protein localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16. [provided by RefSeq, Apr 2014]

**Protein Pathways:**

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

**Product images:**
