

## Product datasheet for **AR50586PU-S**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	NDUFA5 (1-116, His-tag) human protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAGVLKK TTGLVGLAVC NTPHERLRIL YTKILDVLEE IPKNAAYRKY TEQITNEKLA MVKAEPDVKK LEDQLQGGQL EEVILQAEHE LNLARKMREW KLWEPLVEEP PADQWKWPI
Tag:	His-tag
Predicted MW:	15.8 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 0.15M 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. 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:**