

## Product datasheet for **AR51708PU-S**

### NFU1 (10-254, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	NFU1 (10-254, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSGGAAAVAA GLRRRFCHML KNPYTIKKQP LHQFVQRPLF PLPAAFYHPV RYMFQIQDT PNPNSLKFIK GKPVLETRTM DFPTPAAAFR SPLARQLFRI EGVKSVFFGP DFITVTKENE ELDWNLLKPD IYATIMDFFA SGLPLVTEET PSGEAGSEED DEVVAMIKEL LDTRIRPTVQ EDGGDVIYKG FEDGIVQLKL QGSCTSCPSS IITLKNGIQN MLQFYIPEVE GVEQVMDDDES DEKEANSP
Tag:	His-tag
Predicted MW:	29.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffer saline (pH 7.4) containing 20% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NFU1 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. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001002755</a>
Locus ID:	27247
UniProt ID:	<a href="#">Q9UMS0</a>
Cytogenetics:	2p13.3
Synonyms:	CGI-33; HIRIP; HIRIP5; MMDS1; Nfu; NifU; NIFUC



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**Summary:**

This gene encodes a protein that is localized to mitochondria and plays a critical role in iron-sulfur cluster biogenesis. The encoded protein assembles and transfers 4Fe-4S clusters to target apoproteins including succinate dehydrogenase and lipoic acid synthase. Mutations in this gene are a cause of multiple mitochondrial dysfunctions syndrome-1, and pseudogenes of this gene are located on the short arms of chromosomes 1 and 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Product images:**