

## Product datasheet for **AR09782PU-N**

### ISCU / NIFUN (35-167, His-tag) Human Protein

#### Product data:

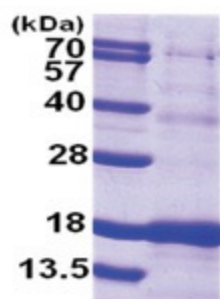
Product Type:	Recombinant Proteins
Description:	ISCU / NIFUN (35-167, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH M</u> YHKKVVDHY ENPRNVGSLD KTSKNVGTGL VGAPACGDVM KLQIQVDEKG KIVDARFKTF GCGSAIASSS LATEWVKGKT VEEALTIKNT DIAKELCLPP VKLHCSMLAE DAIKAALADY KLKQEPKKG EAEKK
Tag:	His-tag
Predicted MW:	16.7 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ISCU 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001288069</u>
Locus ID:	23479
UniProt ID:	<u>B3KQ30</u> , <u>B4DNC9</u>
Cytogenetics:	12q23.3
Synonyms:	2310020H20Rik; HML; hnifU; ISU2; NIFU; NIFUN



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**Summary:**

This gene encodes a component of the iron-sulfur (Fe-S) cluster scaffold. Fe-S clusters are cofactors that play a role in the function of a diverse set of enzymes, including those that regulate metabolism, iron homeostasis, and oxidative stress response. Alternative splicing results in transcript variants encoding different protein isoforms that localize either to the cytosol or to the mitochondrion. Mutations in this gene have been found in patients with hereditary myopathy with lactic acidosis. A disease-associated mutation in an intron may activate a cryptic splice site, resulting in the production of a splice variant encoding a putatively non-functional protein. A pseudogene of this gene is present on chromosome 1. [provided by RefSeq, Feb 2016]

**Product images:**

15% SDS-PAGE (3ug)