

## Product datasheet for **AR09331PU-L**

### Frataxin (FXN) (42-210, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Frataxin (FXN) (42-210, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MLRTDIDATC</u> TPRRASSNQR GLNQIWNVKK QSVYLMNLRK SGTLGHPGSL DETTYERLAE ETLDSLAEFF EDLADKPYTF EDYDVSFGSG VLTVKLGDDL GTYVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAAEL TKALKTKLDL SSLAYSGKDA
Tag:	His-tag
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant Frataxin protein, fused to His-tag, 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_000135</u>
Locus ID:	2395
UniProt ID:	<u>Q16595</u> , <u>A0A0S2Z3G4</u>
Cytogenetics:	9q21.11
Synonyms:	CyaY; FA; FARR; FRDA; X25



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**Summary:** This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

**Protein Families:** Druggable Genome

**Product images:**

