

## Product datasheet for **AR50575PU-N**

### ASNA1 / ARSA (1-348, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	ASNA1 / ARSA (1-348, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAAGVAG WGVEAEFED APDVEPLEPT LSNIIEQRSL KWIFVGGKGG VGKTTCSCL AVQLSKGRES VLIISTDPAH NISDAFDQKF SKVPTKVKGY DNLFAMEIDP SLGVAELPDE FFEEDNMLSM GKKMMQEAMS AFGIDEAMS YAEVMRLVKG MNFVWVFD TPTGHTLRLL NFPTIVERGL GRMLQIKNQI SPFISQMCNM LGLGDMNADQ LASKLEETLP VIRSVSEQFK DPEQTTFCV CIAEFLSLYE TERLIQELAK CKIDTHNIIV NQLVFPDPEK PCKMCEARHK IQAKYLDQME DLYEDFHIVK LPLLPEVRG ADKVNTFSAL LLEPYKPPSA Q
Tag:	His-tag
Predicted MW:	41.2 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 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ASNA1 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_004308</a>
Locus ID:	439
UniProt ID:	<a href="#">O43681</a>
Cytogenetics:	19p13.13
Synonyms:	ARSA-I; ARSA1; ASNA-I; ASNA1; TRC40



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**Summary:**

This gene represents the human homolog of the bacterial *arsA* gene, encoding the arsenite-stimulated ATPase component of the arsenite transporter responsible for resistance to arsenicals. This protein is also a central component of a transmembrane domain (TMD) recognition complex (TRC) that is involved in the post-translational delivery of tail-anchored (TA) proteins from the cytosol to the endoplasmic reticulum (ER). It recognizes and selectively binds the TMD of TA proteins in the cytosol, and delivers them to the ER for insertion. [provided by RefSeq, Oct 2011]

**Product images:**