

Product information

ASNA1, 1-348aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1751

Full name: ATPase ASNA1

NCBI Accession No.: NP_004308

Synonyms: ARSA-I, ARSA1, ASNA-I, GET3, hASNA-I, TRC40

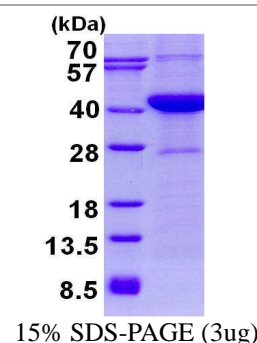
Description: ASNA1, also as known as ARSA and TRC40, belongs to the *arsA* ATPase family. ASNA1 is the human homolog of the bacterial *arsA* gene. In *E.coli*, *ArsA* ATPase is the catalytic component of a multisubunit oxyanion pump that is responsible for resistance to arsenicals and antimonials. ATPase required for the post-translational delivery of tail-anchored (TA) proteins to the endoplasmic reticulum. Recombinant human ASNA1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight: 41.2kDa (371aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMAAGVAG WGVEAEFED APDVEPLEPT LSNIEQRSL KWI FVGKGKGG VGKTTCSL AVQLSKGRES
VLIISTDPAH NISDAFDQKF SKVPTKVKG DNL FAMEIDP SLGVAELPDE FFEEDNMLSM GKMMQEAMS AFPGIDEAMS YAEVMRLVKG
MNFVSVVFD TPTGHTLRLL NFPTIVERGL GRMLQIKNQI SPFISQMCNM LGLGDMNADQ LASKLEETLP VIRSVSEQFK DPEQTTFICV
CIAEFLSLYE TERLIQELAK CKIDTHNII V NQLVFPDPEK PCKMCEARHK IQAKYLDQME DLYEDFHIVK LPLL PHEVRG ADKVNTFSAL
LLEPYKPPSA Q

General references:

Stefanovic S., *et al.* (2007) *Cell* 128:1147-1159

Favaloro V., *et al.* (2008) *J. Cell Sci.* 121:1832-1840

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com