

Recombinant Human ASNA1 protein, GST-tagged

Cat. No. ASNA1-913H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ASNA1 full-length ORF (AAH02651.1, 1 a.a. - 348 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene represents the human homolog of the bacterial <i>arsA</i> 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]
Molecular Mass	65.2 kDa
AA Sequence	MAAGVAGWGVEAEFEDAPDVEPLEPTLSNIIQRSLKWIFVGGKGGVGKTTSCSCS LAVQLSKGRESVLIISTDPAHNISDAFDQKFSKVPTKVKGYNLFAFAMEIDPSLGVAEL PDEFFEDNMLSMGKKMMQEAMSAFPGIDEAMSYAEVMRLVKGMNFSVVVFDTP TGHTLRLNFTIVERGLGRMLQIKNQISPFISQMCNMLGLGDMNADQLASKLEETLP VIRSVSEQFKDPEQTTFCVCAEFLSLYETERLIQELAKCKIDTHNIIVNQLVFPDPEKP CKMCEARHKIQAKYLDQMEDLYEDFHIVKLPLLPHEVRGADKVNTFSALLLEPYKPP SAQ

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ASNA1 arsA arsenite transporter, ATP-binding, homolog 1 (bacterial) [Homo sapiens]
Official Symbol	ASNA1
Synonyms	ASNA1; arsA arsenite transporter, ATP-binding, homolog 1 (bacterial); arsA (bacterial) arsenite transporter, ATP binding, homolog 1; ATPase ASNA1; ARSA I; GET3; golgi to ER traffic 3 homolog (S. cerevisiae); transmembrane domain recognition complex; 40kDa; TRC40; arsenite-stimulated ATPase; arsenical pump-driving ATPase; golgi to ER traffic 3 homolog; transmembrane domain recognition complex, 40kDa; transmembrane domain recognition complex 40 kDa ATPase subunit; ARSA1; ARSA-I; ASNA-I; hASNA-I; MGC3821;
Gene ID	439
mRNA Refseq	NM_004317
Protein Refseq	NP_004308
MIM	601913

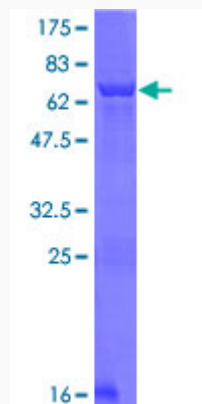
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UniProt ID

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12.5% SDS-PAGE Stained with Coomassie Blue.

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