Recombinant Full Length Human ASNA1 Protein, GST-tagged

Cat. No. ASNA1-1054HF **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	In Vitro Cell Free System
ProteinLength	348 amino acids
Description	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]
Molecular Mass	65.2 kDa
AA Sequence	MAAGVAGWGV EAEEFEDAPD VEPLEPTLSN IIEQRSLKWI FVGGKGGVGK TTCSCSLAVQ LSKGRESVLI ISTDPAHNIS DAFDQKFSKV PTKVKGYDNL FAMEIDPSLG VAELPDEFFE EDNMLSMGKK MMQEAMSAFP GIDEAMSYAE VMRLVKGMNF SVVVFDTAPT GHTLRLLNFP TIVERGLGRL MQIKNQISPF ISQMCNMLGL GDMNADQLAS KLEETLPVIR SVSEQFKDPE QTTFICVCIA EFLSLYETER LIQELAKCKI DTHNIIVNQL VFPDPEKPCK MCEARHKIQA

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	KYLDQMEDLY EDFHIVKLPL LPHEVRGADK VNTFSALLLE PYKPPSA
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
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	O43681

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