9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ASNA1 Human

arsA Arsenite Transporter, ATP-Binding, Homolog 1 Human Recombinant
RCP0129

Product Overview

Name	ASNA1 Human
Description	
arsA Arsenite Transporter, ATP-Binding, Homolog 1 Human Recombinant	
Accession (Primary)	O43681
Synonyms	
ArsA Arsenite Transporter ATP-Binding Homolog 1 (Bacterial), Arsenical Pump-Driving ATPase, Transmembrane Domain Recognition Complex 40kDa, TRC40. ASNA-I, ATPase ASNA1, ARSA-I, GET3, Golgi To ER Traffic 3 Homolog, Arsenite-Stimulated ATPase, Transmembrane Domain Recognition Complex 40 KDa ATPase Subunit, HASNA-I, HARSA-I, ARSA, ARSA1, EC 3.6.3.16, EC 3.6.-.-.	
Introduction	
ArsA Arsenite Transporter, ATP-Binding, Homolog 1 (ASNA1) is a part of the arsA ATPase family. ASNA1 is the human homolog of the bacterial arsA gene. ArsA ATPase is the catalytic component of a multisubunit oxyanion pump In E.coli, which is in charge for resistance to arsenicals and antimonials. ASNA1 is also a main component of a transmembrane domain (TMD) recognition complex (TRC) which is involved in the post-translational delivery of tail-anchored (TA) proteins from the cytosol to the endoplasmic reticulum (ER).	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ASNA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAAGVAG WGVEAEEFED APDVEPLEPT LSNIIEQRSL KWIFVGGKGG	

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VGKTTCSCSL AVQLSKGRES VLIISTDPAH NISDAFDQKF SKVPTKVKGY DNLFAMEIDP SLGVAELPDE FFEEDNMLSM GKKMMQEAMS AFPGIDEAMS YAEVMRLVKG MNFSVVVFDT APTGHTLRLL NFPTIVERGL GRLMQIKNQI SPFISQMCNM LGLGDMNADQ LASKLEETLP VIRSVSEQFK DPEQTTFICV CIAEFLSLYE TERLIQELAK CKIDTHNIIV NQLVFPDPEK PCKMCEARHK IQAKYLDQME DLYEDFHIVK LPLLPHEVRG ADKVNTFSAL LLEPYKPPSA Q.

Precautions

ASNA1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43681)