

arsA Arsenite Transporter, ATP-Binding, Homolog 1 Human Recombi-

Item Number	rAP-3851
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
Description	ASNA1 Human Recombinant produced in E. coli is a single polypeptide chain containing 371 amino acids (1-348) and having a molecular mass of 41.2 kDa. ASNA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O43681
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMAGVAG WGVEAEFED APDVEPLEPT LSNIEQRSL KWIFVGGKGG VGKTTCSL AVQLSKGRES VLIISTDPAH NISDAFDQKF SKVPTKVKG YDNLFAMEIDP SLGVAELPDE FFEEDNMLSM GKKMMQEAMS AFGIDEAMS YAEVMRLVKG MNFSVVVFD TAPTGH- LRL NFP TIVERGL GR LMQ IKNQI SPFISQMCNM LGLGDMNADQ LASKLEETLP VIRSVSEQFK DPEQTTFCIV CIAEFLSLYE TERLIQELAK CKIDTHNIIV NQLVFPDPEK PCKMCEARHK IQAKYLDQME DLYEDFHIVK LPLLPHEVRG ADKVNTFSAL LLEPYKPPSA Q.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The ASNA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**