

32-3256: ASNA1 Recombinant Protein

Alternative Name : 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

Description

Source : E.coli. 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. 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).

Product Info

Amount : 20 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The ASNA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHH SSGLVPRGSH MGSMAAGVAG WGVEAEFFED APDVEPLEPT LSNIEQRSL
 KWIFVGGKGG VGKTTCSL AVQLSKGRES VLIISTDPAH NISDAFDQKF SKVPTKVKG DNLFAMEIDP
 SLGVAELPDE FFEEDNMLSM GKKMMQEAMS AFGIDEAMS YAEVMRLVKG MNFSVVVFDT
 APTGHTLRL NPTIVERGL GRMLQIKNQI SPFISQMCNM LGLGDMNADQ LASKLEETLP VIRSVSEQFK
 DPEQTTFCV CIAEFLSYE TERLIQELAK CKIDTHNIIV NQLVFPDPEK PCKMCEARHK IQAKYLDQME
 DLYEDFHIVK LPLLPEVRG ADKVNTFSAL LLEPYKPPSA Q.

