

## Recombinant Human ASNA1 protein, His-SUMO-tagged

Cat. No. ASNA1-2559H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human ASNA1 protein(O43681)(2-348aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 2-348aa  |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.  |
| <b>Molecular Mass</b>   | 54.7 kDa   |
| <b>AA Sequence</b>      | AAGVAGWGVEAEFEEDAPDVEPLEPTLSNIIQRSLKWIFVGGKGGVGGKTTCSCLA<br>VQLSKGRESVLIISTDPAHNISDAFDQKFSKVPTKVKGYNLFAEIDPSLGVAELPD<br>EFFEEDNMLSMGKMMQEAAMSAFPGIDEAMSYAEVMRLVKGMNFSVVVFDAPTG<br>HTLRLLNFPTIVERGLGRLMQIKNQISPFISQMCNMLGLGDMNADQLASKLEETLPVI<br>RSVSEQFKDPEQTTFICVCAIEFLSLYETERLIQELAKCKIDTHNIIVNQLVFPDPEKPC<br>KMCEARHKIQAKYLDQMEDLYEDFHIVKLP LLPHEVRGADKVNTFSALLLEPYKPPS<br>AQ |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.  |

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**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## 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](#)

**UniProt ID** [O43681](#)

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