

## AARS1 Protein, Mouse (sf9, His)

|                          |   |
|--------------------------|---|
| <b>Cat. No.:</b>         | HY-P75567   |
| <b>Synonyms:</b>         | Alanine--tRNA ligase, cytoplasmic; Alanyl-tRNA synthetase; AlaRS; Sti; Aars |
| <b>Species:</b>          | Mouse   |
| <b>Source:</b>           | Sf9 insect cells  |
| <b>Accession:</b>        | Q8BGQ7 (M1-N968)  |
| <b>Gene ID:</b>          | 234734  |
| <b>Molecular Weight:</b> | Approximately 108 kDa   |

### PROPERTIES

#### AA Sequence

```

M D A T L T A R E I   R E R F I N F F R R   N E H T Y V H S S A   T I P L D D P T L L
F A N A G M N Q F K   P I F L N T I D P S   H P M A K L S R A A   N T Q K C I R A G G
K H N D L D D V G K   D V Y H H T F F E M   L G S W S F G D Y F   K E L A C K M A L E
L L T Q E F G I P V   E R L Y V T Y F G G   D E A A G L E P D L   E C R Q I W Q N L G
L D E A R I L P G N   M K D N F W E M G D   T G P C G P C S E I   H Y D R I G G R D A
A H L V N Q D D P N   V L E I W N L V F I   Q Y N R E S D G V L   K P L P K K S I D T
G M G L E R L V S V   L Q N K M S N Y D T   D L F M P Y F E A I   Q K G T G A R P Y T
G K V G A E D A D G   I D M A Y R V L A D   H A R T I T V A L A   D G G R P D N T G R
G Y V L R R I L R R   A V R Y S H E K L N   A S R G F F A T L V   D V V V Q S L G D A
F P E L K K D P E M   V K D I I N E E E V   Q F L K T L S R G R   R I L D R K I Q S L
G D C K T I P G D T   A W L L Y D T Y G F   P V D L T G L I A E   E K G L V V D M N G
F E E E R R L A Q L   K S Q G K G A G D E   D L I M L D I Y A I   E E L R A K G L E A
T D D S P K Y N Y Q   S D S S G S Y V F E   C T V A T V L A L R   R E K M F V D E V V
T G Q E C G V V L D   K T C F Y A E Q G G   Q I Y D E G Y L V K   V D D S S E D K T E
F T V K N A Q V R G   G Y V L H I G T I Y   G N L K V G D Q V R   L F I D E P R R R P
V M S N H T A T H I   L N F A L R S V L G   E A D Q K G S L V A   P D R L R F D F T A
K G A M S T Q Q I K   K A E E I V N G M I   E A A K P V Y T Q D   C P L A A A K A I Q
G L R A V F D E T Y   P D P V R V V S I G   V P V S E L L D D P   C G P A G S L T S V
E F C G G T H L R N   S S H A G A F V I V   T E E A I A K G I R   R I V A V T G A E A
Q K A L R K S E T L   K K S L S A M E A K   V K A Q T A P N K D   V Q R E I A D L G E
A L A T A V I P Q W   Q K D E Q R E T L K   S L K K V M D D L D   R A S K A D V Q K R
V L E K T K Q L I D   S N P N Q P L V I L   E M E S G A S A K A   L N E A L K L F K T
H S P Q T S A M L F   T V D N E A G K I T   C L C Q V P Q N A A   N R G L K A S E W V
Q Q V S G L M D G K   G G G K D M S A Q A   T G K N V G C L Q E   A L Q L A T S F A Q
L R L G D V K N

```

#### Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are

---

|                                |   |
|--------------------------------|---|
|                                | added as protectants before lyophilization.   |
| <b>Endotoxin Level</b>         | <1 EU/ $\mu$ g, determined by LAL method.   |
| <b>Reconstitution</b>          | It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.  |
| <b>Storage &amp; Stability</b> | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| <b>Shipping</b>                | Room temperature in continental US; may vary elsewhere.   |

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA