

AARSD1 Protein, Human (His)

Cat. No.:	HY-P76131
Synonyms:	Alanyl-tRNA editing protein Aarsd1; Alanyl-tRNA synthetase domain-containing protein 1; AARSD1
Species:	Human
Source:	E. coli
Accession:	Q9BTE6-2 (T176-E525)
Gene ID:	80755
Molecular Weight:	Approximately 40 kDa.

PROPERTIES

AA Sequence	<p>T I N D I S V L R V T R R G E Q A D H F T Q T P L D P G S Q V L V R V D W E R R</p> <p>F D H M Q Q H S G Q H L I T A V A D H L F K L K T T S W E L G R F R S A I E L D</p> <p>T P S M T A E Q V A A I E Q S V N E K I R D R L P V N V R E L S L D D P E V E Q</p> <p>V S G R G L P D D H A G P I R V V N I E G V D S N M C C G T H V S N L S D L Q V</p> <p>I K I L G T E K G K K N R T N L I F L S G N R V L K W M E R S H G T E K A L T A</p> <p>L L K C G A E D H V E A V K K L Q N S T K I L Q K N N L N L L R D L A V H I A H</p> <p>S L R N S P D W G G V V I L H R K E G D S E F M N I I A N E I G S E E T L L F L</p> <p>T V G D E K G G G L F L L A G P P A S V E T L G P R V A E V L E G K G A G K K G</p> <p>R F Q G K A T K M S R R M E A Q A L L Q D Y I S T Q S A K E</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	AARSD1 protein operates in trans to perform the crucial function of editing the amino acid moiety from incorrectly charged tRNA(Ala).
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Caution: Product has not been fully validated for medical applications. For research use only.

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