

Recombinant Human AARS protein, His-tagged

Cat. No. AARS-0409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AARS protein(1-350 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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**AA Sequence**

MDSTLTASEIRQRFIDFFKRNEHTYVHSSATIPLDDPTLLFANAGMNQFKPIFLNTIDP
SHPMAKLSRAANTQKCIRAGGKHNDLDDVGKDVYHHTFFEMLGSWWSFGDYFKELA
CKMALELLTQEFGIPIERLYVTYFGGDEAAGLEADLECKQIWQNLGLDDTKILPGNMK
DNFWEMGDTGPCGPCSEIHYDRIGGRDAAHLVNQDDPNVLEIWNLVFIQYNREADG
ILKPLPKKSIDTGMGLERLVSVLQNKMSNYDSDLFVPYFEAIQKGTGARPYTGKVG
EDADGIDMAYRVLADHARTITVALADGGRPDNTGRGYVLRRLRAVRYAHEKLNAS
RGFFATLV

GENE INFORMATION**Gene Name**[AARS alanyl-tRNA synthetase \[Homo sapiens \]](#)**Official Symbol**[AARS](#)**Synonyms**

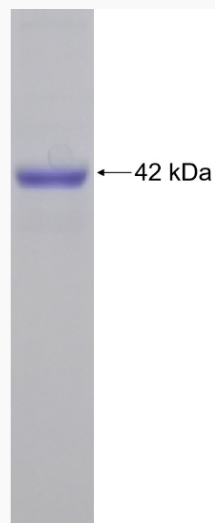
AARS; alanyl-tRNA synthetase; alanine--tRNA ligase, cytoplasmic; alanine tRNA ligase 1; cytoplasmic; alaRS; renal carcinoma antigen NY-REN-42; alanine tRNA ligase 1, cytoplasmic; alanyl-tRNA synthetase, cytoplasmic; CMT2N;

Gene ID[16](#)**mRNA Refseq**[NM_001605](#)**Protein Refseq**[NP_001596](#)**MIM**[601065](#)**UniProt ID**[P49588](#)

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SDS-PAGE

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