



# Recombinant Human Probable arginine--tRNA ligase, mitochondrial (RARS2)

<b>Product Code</b>	CSB-EP732918HU
<b>Abbreviation</b>	RARS2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q5T160
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LNLP PENLITSISA VPISQKEEVA DFQLSVDSLL EKDNDHSRPD IQVQAKRLAE KLRCDTVVSE ISTGQRTVNF KINRELLTKT VLQQVIEDGS KYGLKSELS GLPQKKIVVE FSSPNVAKKF HVGHLRSTII GNFIANLKEA LGHQVIRINY LGDWGMQFGL LGTGFQLFGY EEKLQSNPLQ HLFEVYVQVN KEAADDKVA KAAQEFFQRL ELGDVQALSL WQKFRDLSIE EYIRVYKRLG VYFDEYSGES FYREKSQEV LKLESKGLLL KTIKGTAVVD LSGNGDPSSI CTVMRSDGTS LYATRDAAA IDRMDKYNFD TMIYVTDKGQ KKHFFQQVFQM LKIMGYDWAE RCQHVPFGVV QGMKTRRGDV TFLEDVLEI QLRMLQNMAS IKTTKELKNP QETAERVGLA ALIQDFKGL LLSDYKFSWD RVFQSRGDTG VFLQYTHARL HSLEETFGCG YLNDFNACL QEPQSVSILQ HLLRFDEVLY KSSQDFQPRH IVSYLLTL SH LAAVAHKT LQ IKDSPPEVAG ARLHLFKAVR SVLANGMKLL GITPVCRM
<b>Source</b>	E.coli
<b>Target Names</b>	RARS2
<b>Protein Names</b>	Recommended name: Probable arginine--tRNA ligase, mitochondrial EC= 6.1.1.19 Alternative name(s): Arginyl-tRNA synthetase Short name= ArgRS
<b>Expression Region</b>	17-578
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is an arginyl-tRNA synthetase that is found in the mitochondrial matrix. Defects in this gene are a cause of pontocerebellar hypoplasia type 6 (PCH6).
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference.

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