



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

<b>Product Code</b>	CSB-MP732918HU
<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 KYGLKSELF S GLPQKKIVVE FSSPNVAKKF HVGHLRSTII GNFIANLKEA LGHQVIRINY LGDWGMQFGL LGTGFQLFGY EEKLSNPLQ HLFEVYVQVN KEAADDKSVA KAAQEFFQRL ELGDVQALSL WQKFRDLSIE EYIRVYKRLG VYFDEYSGES FYREKSQEV L KLLLESKGLLL KTIKGTAVVD LSGNGDPSSI CTVMRSDGTS LYATRD LAAA IDRMDKYNFD TMIYVTDKGQ KKHFFQQVFQM LKIMGYDWAE RCQHVPFGVV QGMKTRRGDV TFLEDVLNEI QLRMLQNMAS IKTTKELKNP QETAERVGLA ALIIQDFKGL LLSDYKFSWD RVFQSRGDTG VFLQYTHARL HSLEETFGCG YLNDFN TACL QEPQSVSILQ HLLRFDEVLY KSSQDFQPRH IVSYLL T LSH LA AVAHKTLQ IKDSPPEVAG ARLHLFKAVR SVLANGMKLL GITPVCRM
<b>Source</b>	Mammalian cell
<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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