



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

Product Code	CSB-YP732918HU
Abbreviation	RARS2
Storage	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.
Uniprot No.	Q5T160
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LNLP PENLITSISA VPISQKEEVA DFQLSVDSLL EKDNDHSRPD IQVQAKRLAE KLRCDTVVSE ISTGQRTVNF KINRELLTKT VLQQVIEDGS KYGLKSELSF GLPQKKIVVE FSSPNVAKKF HVGHLRSTII GNFIANLKEA LGHQVIRINY LGDWGMQFGL LGTGFQLFGY EEKLQSNPLQ HLFEVYVQVN KEAADDKSVA 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
Source	Yeast
Target Names	RARS2
Protein Names	Recommended name: Probable arginine--tRNA ligase, mitochondrial EC= 6.1.1.19 Alternative name(s): Arginyl-tRNA synthetase Short name= ArgRS
Expression Region	17-578
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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).
Reconstitution	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.

Shelf Life

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.