



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

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| <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.<br>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<br>IQVQAKRLAE KLRCDTVVSE ISTGQRTVNF KINRELLTKT VLQQVIEDGS<br>KYGLKSELF S GLPQKKIVVE FSSPNVAKKF HVGHLRSTII GNFIANLKEA<br>LGHQVIRINY LGDWGMQFGL LGTGFQLFGY EEKLSNPLQ HLFEVYVQVN<br>KEAADDKSVA KAAQEFFQRL ELGDVQALSL WQKFRDLSIE EYIRVYKRLG<br>VYFDEYSGES FYREKSQEV L KLLSKGLLL KTIKGTAVVD LSGNGDPSSI<br>CTVMRSDGTS LYATRD LAAA IDRMDKYNFD TMIYVTDKGQ KKHFFQQVFQM<br>LKIMGYDWAE RCQHVPFGVV QGMKTRRGDV TFLEDVLNEI QLRMLQNMAS<br>IKTTKELKNP QETAERVGLA ALIIQDFKGL LLSDYKFSWD RVFQSRGDTG<br>VFLQYTHARL HSLEETFGCG YLNDFN TACL QEPQSVSILQ HLLRFDEVLY<br>KSSQDFQPRH IVSYLL T LSH LAVAHKTLQ IKDSPPEVAG ARLHLFKAVR<br>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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