



# Recombinant Human Probable threonine--tRNA ligase 2, cytoplasmic (TARSL2), partial

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| <b>Product Code</b>      | CSB-YP023133HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Uniprot No.</b>       | A2RTX5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>          | AAEALAAEA VASRLERQEE DIRWLWSEVE RLRDEQLNAP YSCQAEGPCL<br>TREVAQLRAE NCDLRHRLCS LRLCLAEERS RQATLESael EAAQEAGAQP<br>PPSQSQDKDM KKKKMKESea DSEVKHQPIF IKERLKLFEI LKKDHQLLA<br>IYGKKGDTSN IITVRVADGQ TVQGEVWKTt PYQVAAEISQ ELAESTVIAK<br>VNGELWDLDR PLEGDSSLEL LTFDNEEAQA VYWHSSAHIL GEAMELYYGG<br>HLCYGPPIEN GFYYDMFIED RAVSSTELSA LENICKAIK EKQPFERLEV<br>SKEILLEMFK YNKFKCRILN EKVNTATTTV YRCGLIDLc KGPHVRHTGK<br>IKTIKIFKNS STYWEGNPEM ETLQRIYGIS FPDNKMMRDW EKfQEEAKNR<br>DHRKIGKEQE LFFFDLSPG SCFFLPRGAF IYNTLTDFIR EEYHKRDFTE<br>VLSPNMYNSK LWEASGHWQH YSENMTTFEI EKDTFALKPM NCPGHCLMFA<br>HRPRSWREMP IRFADFGVLH RNELSGTlSG LTRVRRFQqD DAHIFCTVEQ<br>IEEEIKGCLQ FLQSVYSTFG FSFQLNLSTR PENFLGEIEM WNEAEKQLQN<br>SLMDFGEPWK MNPGDGAFYG PKIDIKIKDA IGRYHQCAtI QLDFQLPIRF<br>NLTYVSKDGD DKKRPViiHR AILGSVERMI AILSENYGGK WPFWLSPrQV<br>MViPVGPTCE KYALQVSSEF FEEGFMADVD LDHSCTLNKK IRNAQLAQYN<br>FILVGEKEK IDNAVNVRTR DNKIHGElV TSAIDKLKnl RKTRTLNAEE AF |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Names</b>      | TARSL2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Probable threonine--tRNA ligase 2, cytoplasmic EC= 6.1.1.3<br>Alternative name(s): Threonyl-tRNA synthetase Short name= ThrRS<br>Threonyl-tRNA synthetase-like protein 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Expression Region</b> | 2-802                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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>    | Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



## 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.