



# Recombinant Human Phenylalanine--tRNA ligase alpha subunit (FARSA)

<b>Product Code</b>	CSB-EP897084HU-B
<b>Abbreviation</b>	FARSA
<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>	Q9Y285
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADGQVAELL LRRLEASDGG LDSAELAAEL GMEHQAVVGA VKSLQALGEV IEAELRSTKH WELTAEGEEI AREGSHEARV FRSIPPEGLA QSELMRLPSG KVGFSKAMSN KWIRVDKSA A DGPRVFRVVD SMEDEVQRRL QLVRGGQAEK LGEKERSELR KRKLLAEVTL KTYWVSKGSA FSTSISKQET ELSPMISSG SWRDRPFKPY NFLAHGVLPD SGHLHPLLKV RSQFRQIFLE MGFTEMPTDN FIESSFWNFD ALFQPQHPA RDQHDTFFLR DP AEALQLPM DYVQRVKRTH SQGGYGSQGY KYNWKLDEAR KNLLRTHHTTS ASARALYRLA QKKPFTPVKY FSIDRVFRNE TLDATHLAEF HQIEGVVADH GLTLGHLMGV LREFFTKLGI TQLRFKPAYN PYTEPSMEVF SYHQGLKKWV EVGNSGVFRP EMLLPMGLPE NVSVIAWGLS LERPTMIKYG INNIRELVGH KVNLMVYDS PLCRLDAEPR PPPTQEAA
<b>Source</b>	E.coli
<b>Target Names</b>	FARSA
<b>Protein Names</b>	Recommended name: Phenylalanine--tRNA ligase alpha subunit EC= 6.1.1.20 Alternative name(s): CML33 Phenylalanyl-tRNA synthetase alpha subunit Short name= PheRS
<b>Expression Region</b>	2-508
<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>	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. This gene encodes a product which is similar to the catalytic subunit of prokaryotic and <i>Saccharomyces cerevisiae</i> phenylalanyl-tRNA synthetases (PheRS). This gene product has been shown to be expressed in a tumor-selective and cell cycle stage- and differentiation-dependent manner, the first member of the tRNA synthetase gene family shown



to exhibit this type of regulated expression

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**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.

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