



Recombinant Chicken Phenylalanine--tRNA ligase alpha subunit (FARSA)

Product Code	CSB-EP723170CH-B
Abbreviation	FARSA
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.	Q5ZJQ2
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	≥85% (SDS-PAGE)
Sequence	SPSVAELL L QRLERTPPGP EGGLCSLEAA AALGLDHQTL VGAVKSLQAL GEVIEAETRA TTRWELSAEG EEVLRDGSPE VRLFRSVPSE GLPQSDAMKL PGAQVGFSKA MANKWLRLDK GAPGGPRIFR AVDAVQDVVQ SSLRQVQEGN GGSLSERERT DLKRRKLLLE VTLKSYWIRK GSAFSTAVVR QETDLTPEMI ATGSWRKLPF KAYNFSALGL PPTCGHLHPL LKVRSQLRQI FLEMGFTEMP TDNFVESSFW NFDALFQPQQ HPARDQHDTF FLQDPAEAPE LPANYMARVK KVHSQGGYGS QGYKYEWKVE EARKNLLRTH TTSASARALY HLARQGKFTP VKYFSIDRVF RNESLDATHL AEFHQVEGVV ADRGLTLGHL MGTLQQFFTK LGISKLRFKP AYNPYTEPSM EVFSYHEGLK KWVEVGNSGV FRS
Source	E.coli
Target Names	FARSA
Protein Names	Recommended name: Phenylalanine--tRNA ligase alpha subunit EC= 6.1.1.20 Alternative name(s): Phenylalanyl-tRNA synthetase alpha subunit Short name= PheRS
Expression Region	2-443
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	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



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

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