



Recombinant Human Phenylalanine--tRNA ligase beta subunit (FARSB)

Product Code	CSB-EP882099HU
Abbreviation	FARSB
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.	Q9NSD9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPTVSVKRD L FQALGR TYT DEEFDEL CFE FGLELDEITS EKEIISKEQG NVKAAGASDV VLYKIDVPAN RYDLLCLEGL VRGLQVFKER IKAPVYKRVM PDGKIQLII TEETAKIRPF AVAAVLRNIK FTKDRYDSFI ELQEKLHQNI CRKRALVAIG THDLDTLSGP FTYTAKRPSD IKFKPLNKT EYTACELMNI YKTDNHLKHY LHIIENKPLY PVIYDSNGVV LSMPP IINGD HSRITVNTRN IFIECTGTDF TKAKIVLDII VTMFSEY CEN QFTVEAAEVV FPNGKSHTFP ELAYRKEMVR ADLINKKVG I RETPENLAKL LTRMYLKSEV IGDGNQIEIE IPPTRADIIH ACDIVEDAAI AYGYN NIQMT LPKTYTIANQ FPLNKLTELL RHDMAAAGFT EALTFALCSQ EDIADKLGVD ISATKAVHIS NPKTAEFQVA RTLLPGLLK TIAANRKMPL PLKLFEISDI VIKDSNTDVG AKNYRHLC AV YYNKNPGFEI IHGLLDRI MQ LLDVPPGEDK GGYVIKASEG PAFFPGRCAE IFARGQSVGK LGVLHPDVIT KFELTMP CSS LEINVGPFL
Source	E.coli
Target Names	FARSB
Protein Names	Recommended name: Phenylalanine--tRNA ligase beta subunit EC= 6.1.1.20 Alternative name(s): Phenylalanyl-tRNA synthetase beta subunit Short name= PheRS
Expression Region	1-589
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 protein
Target Details	This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10



has been identified.

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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