



# Recombinant Phenylalanine--tRNA ligase alpha subunit (pheS)

<b>Product Code</b>	CSB-MP744838MLA
<b>Abbreviation</b>	pheS
<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>	Q740J1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mycobacterium paratuberculosis (strain ATCC BAA-968 / K-10)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGDQPVDLSE TALAEAVGAA RQAFARAGDL DALARLKTEH LGDRAPLALA RQALGGVPKD QRADAGRRVN AARAQAQQAY DERLDVLRAE RDAAVLVAER IDVTLPSTRQ PVGARHPITI LAEHIADTFI AMGWELAEGP EVEAEQFNFD ALNFPADHPA RSEQDTFYIA PEGSRQLLRT HTSPVQVRTL LARELPVYVI SIGRTFRTDE LDATHTPVFH QVEGLAVDRG LSMAHLRGTL DAFARAEFGP QARTRIRPHF FPFTEPSAEV DVWVFGKKGG AGWVEWGGCG MVHPNVLRAA GIDPDVYSGF AFGMGLERTL QFRNGIPDMR DMVEGDVRFLLPFGVGA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	pheS
<b>Protein Names</b>	Recommended name: Phenylalanine--tRNA ligase alpha subunit EC= 6.1.1.20 Alternative name(s): Phenylalanyl-tRNA synthetase alpha subunit Short name= PheRS
<b>Expression Region</b>	1-347
<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 protein
<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.
<b>Shelf Life</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.