



# Recombinant Phenylalanine--tRNA ligase beta subunit (pheT)

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| <b>Product Code</b>      | CSB-YP348684EGX  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | P59664   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MKFSELWLRE WVNPAIDSDA LANQITMAGL EVDGVEPVAG SFHGVVVGEV<br>VECAQHPNAD KLRVTKVNVG GDRLLDIVCG APNCRQGLRV AVATIGAVLP<br>GDFKIKAAKL RGEPEGMLC SFSELGISDD HNGIILPAD APIGTDIREY<br>LKLDDNTIEI SVTPNRADCL GIIGVARDVA VLNQLPLVEP EIVPVGATID<br>DTLPIAVEAP DACPRYLGRV VKGINVKAPT PLWMKEKLRR CGIRSIDAVV<br>DVTNYVLEL GQPMHAFDKD RIEGGIVRM AKEGETLVLL DGTEAKLNAD<br>TLVIADHNKA LAMGGIFGGE HSGVNDQTN VLLECAFFSP LSITGRARRH<br>GLHTDASHRY ERGVDPALQH KAMERATRL IDICGGEAGP VIDITNEATL<br>PKRATILRR SKLDRLLIGHH IADEQVTDIL RRLGCEVTEG KDEWQAVAPS<br>WRFDMIEIED LVEEVARVYG YNNIPDEPVQ ASLIMGTHRE ADLSLKRVT<br>LLNDKGYQEV ITYSFVDPKV QQMIHPGVEA LLLPSPISVE MSAMRLSLWT<br>GLLATVVYNQ NRQQNRVRIF ESGLRFVPDT QAPLGIRQDL MLAGVICGNR<br>YEEHWNLAKE TVDFYDLKGD LESVLDLTGK LNEVEFRAEA NPALHPGQSA<br>AIYLKGERIG FVGVVHPELE RKLDLNGRTL VFELEWNKLA DRVVPQAREI<br>SRFPANRRDI AVVVAENVPA ADILSECKV GVNQVGVNL FDVYRGKQVA<br>EGYKSLAISL ILQDTSRTLE EEEIAATVAK CVEALKERFQ ASLRD |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | pheT   |
| <b>Protein Names</b>     | Recommended name: Phenylalanine--tRNA ligase beta subunit EC= 6.1.1.20<br>Alternative name(s): Phenylalanyl-tRNA synthetase beta subunit Short name=<br>PheRS  |
| <b>Expression Region</b> | 1-795  |
| <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.

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