



Recombinant Escherichia coli Long-chain-fatty-acid--CoA ligase (fadD)

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| Product Code | CSB-EP300208ENV-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P69451 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain K12) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MKKVWLNRYP ADVPTEINPD RYQSLVDMFE QSVARYADQP AFVNMGEVMT FRKLEERSRA FAAYLQQGLG LKKGDRVALM MPNLLQYPVA LFGILRAGMI VVNVNPLYTP RELEHQLNDS GASAIIVSN FAHTLEKVVD KTAVQHVILT RMGDQLSTAK GTVVNFVVKY IKRLVPKYHL PDAISFRSAL HNGYRMQYVK PELVPEDLAF LQYTGTTGV AKGAMLTHRN MLANLEQVNA TYGPLLHPGK ELVVTALPLY HIFALTINCL LFIELGGQNL LITNPRDIPG LVKELAKYPF TAITGVNTLF NALLNNKEFQ QLDFSSHLHS AGGGMPVQQV VAERWVKLTG QYLLEGYGLT ECAPLVSVPNP YDIDYHSGSI GLPVPSTEAK LVDDDDNEVP PGQPGELCVK GPQVMLGYWQ RPDATDEIHK NGWLHTGDIA VMDEEGFLRI VDRKKDMILV SGFNVYPNEI EDVVMQHPGV QEVAAVGVPS GSSGEAVKIF VVKKDPSLTE ESLVTFCRRQ LTGYKVPKLV EFRDELPSKN VGKILRREL DEARGKVDNK A |
| Source | E.coli |
| Target Names | fadD |
| Protein Names | Recommended name: Long-chain-fatty-acid--CoA ligase EC= 6.2.1.3 Alternative name(s): Long-chain acyl-CoA synthetase Short name= Acyl-CoA synthetase |
| Expression Region | 1-561 |
| 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 |
| 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 | 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. |