



# Recombinant Escherichia coli O8 3-ketoacyl-CoA thiolase (fadI)

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| <b>Product Code</b>      | CSB-EP001117E00-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | B7M6M3   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O8 (strain IA11)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MGQVLPLVTR QGDRIAIVSG LRTPFARQAT AFHGIPAVDL GKMVVGELLA<br>RSEIPAIEVIE QLVFGQVVQM PEAPNIAREI VLGTGMNVHT DAYSVSRACA<br>TSFQAVANVA ESLMAGTIRA GIAGGADSSS VLPIGVSKKL ARVLVDVNKA<br>RTMSQRLKLF SRLRLRDLMP VPPAVAEYST GLRMGDTAEQ MAKTYGITRE<br>QQDALAHRSH QRAAQAWSDG KLKEEVMTAF IPPYKQPLVE DNNIRGNSSL<br>ADYAKLRPAF DRKHGTVTAA NSTPLTDGAA AVILMTESRA KELGLVPLGY<br>LRSYAFTAID VWQDMLLGPA WSTPLALERA GLTMSDLTLI DMHEAFAAQT<br>LANIQLLGSE RFAREVLGRA HATGEVDDSK FNVLGGSIA Y GHPFAATGAR<br>MITQTLHEL RRGGGFGLVT ACAAGGLGAA MVLEAE |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | fadI   |
| <b>Protein Names</b>     | Recommended name: 3-ketoacyl-CoA thiolase EC= 2.3.1.16 Alternative name(s): ACSs Acetyl-CoA acyltransferase Acyl-CoA ligase Beta-ketothiolase Fatty acid oxidation complex subunit beta  |
| <b>Expression Region</b> | 1-436  |
| <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.  |