



# Recombinant *Gossypium hirsutum* Myristoyl-acyl carrier protein thioesterase, chloroplastic (FATB1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP886743GHB-B   |
| <b>Abbreviation</b>      | FATB1   |
| <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>       | Q9SQI3  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Gossypium hirsutum</i> (Upland cotton) ( <i>Gossypium mexicanum</i> )  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AST TPVEGSKNDD GASSPPRPTF INQLPDWSML LAAITTIFLA<br>AEKQWMMLDW KPRRPDMVID PFGIGKIVQD GLVFSQNFSI RSYEIGADQT<br>ASIELTMNHL QETAINHCRS AGLLGEGFGA TPEMCKKNLI WVVTRMQVVV<br>DRYPTWGDVV QVDTWVSASG KNGMRRDWLV SNETGEILT<br>RATSVWMMN KLTRRLSKIP EEVRGEIEPF FMNSDPVLAE DSQKLVKLDD<br>STAEHVCKGL TPKWSDLVDN QHVNNVKYIG WILESAPLPI LESHELSALT<br>LEYRRECGRD SVLQSLTTVS DSNTENAVNV GEFNCQHLLR LDDGAEIVRG<br>RTRWRPKHAK SSANMDQITA KRA |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | FATB1   |
| <b>Protein Names</b>     | Recommended name: Myristoyl-acyl carrier protein thioesterase, chloroplastic<br>EC= 3.1.2.- Alternative name(s): 16:0-acyl-carrier protein thioesterase Short<br>name= 16:0-ACP thioesterase Acyl-[acyl-carrier-protein] hydrolase PATE   |
| <b>Expression Region</b> | 58-413  |
| <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>    | Cytoplasmic domain  |
| <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.<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.