



# Recombinant Arabidopsis thaliana 3-ketoacyl-CoA thiolase 5, peroxisomal (KAT5)

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| <b>Product Code</b>      | CSB-YP684977DOA  |
| <b>Abbreviation</b>      | KAT5   |
| <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>       | Q570C8   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Arabidopsis thaliana (Mouse-ear cress)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | VSE VSPMAAFGDD IVIVAAYRTA ICKARRGGFK DTLPDDLLAS<br>VLKAVVERTS LDPSEVGDIV VGTVIAPGSQ RAMECRVAAY FAGFPDSVPV<br>RTVNRQCSSG LQAVADVAAS IRAGYYDIGI GAGVESMSTD HIPGGGFHGS<br>NPRAQDFPKA RDCLLPMGIT SENVAERFGV TREEQDMAAV ESHKRAAAAI<br>ASGKLDKDEII PVATKIVDPE TKAEKAIIVS VDDGVRPNSN MADLAKLKTV<br>FKQNGSTTAG NASQISDGAG AVLLMKRSLA MKKGLPILGV FRSFAVTGVE<br>PSVMGIGPAV AIPAATKLAG LNVSDIDLFE INEAFASQYV YSCKKLELDM<br>EKVNVNGGAI AIGHPLGATG ARCVATLLHE MKRRGKDCRF GVISMCI GTG<br>MGAAAVFERG DSVDNLSNAR VANGDSH |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | KAT5   |
| <b>Protein Names</b>     | Recommended name: 3-ketoacyl-CoA thiolase 5, peroxisomal EC= 2.3.1.16<br>Alternative name(s): Acetyl-CoA acyltransferase 5 Beta-ketothiolase 5<br>Peroxisomal 3-oxoacyl-CoA thiolase 5   |
| <b>Expression Region</b> | 38-457   |
| <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 of Mature 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.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life  |



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