

# Recombinant *Tropaeolum majus* O-acyltransferase Protein, N-10×His tagged

**Cat. No.** O-acyltransferase-07T **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant <i>Tropaeolum majus</i> O-acyltransferase Protein with N-10×His tag was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | <i>Tropaeolum majus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 60.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAVAESSQNTTTMSGHGDSDLNNFRRRKPSSSVIEPSSSGFTSTNGVPATGHVAE<br>NRDQDRVGAMENATGSVNLIGNGGGVVIGNEEKQVGETDIRFTYRPSFPAHRRVRE<br>SPLSSDAIFKQSHAGLFNLCIVVLIHAVNSRLIENLMKYGWLIDTGFWFSSRSLGDWSI<br>FMCCLTLPIFPLAAFIVEKLVQRNHISELVAVLLHVIVSTAAVLYPVIVILTCDSVYMSGV<br>VLMLFGCIMWLKLVSYAHTSSDIRTLAKSGYKGDHPNSTIVSCSYDVSLKSLAYFM<br>VAPTLCYQPSYPRSSCIRKGVVVRQFVKLIVFIGLMGFIIEQYINPIVRNSKHPLKGDF<br>LYAIERVCLKSVPNLYVWLCLMFYSFFHLWLNILAEALLRFGDREFYKDWVNAKTVAEY<br>WKMWNNMPVHRWMVRHLYFPCLRNGIPKEGAIHIAFLVSGAFHELCAVPCHVFKLWA<br>FIGIMFQVPLVLITNYLQEKFSNSMVGNMIFWFIFCILGQPMCVLLYYHDLINLKEK |
| <b>Purity</b>           | ≥90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | MAVAESSQNTTTMSGHGDSDLNNFRRRKPSSSVIEPSSSGFTSTNGVPATGHVAE<br>NRDQDRVGAMENATGSVNLIGNGGGVVIGNEEKQVGETDIRFTYRPSFPAHRRVRE<br>SPLSSDAIFKQSHAGLFNLCIVVLIHAVNSRLIENLMKYGWLIDTGFWFSSRSLGDWSI                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FMCCLTLPIFPLAAFIVEKLVQRNHISELVAVLLHVIVSTAAVLYPVIVILTCDSVYMSGV  
 VLMLFGCIMWLKLVSYAHTSSDIRTLAKSGYKGDHPNSTIVSCSYDVSLKSLAYFM  
 VAPTLCYQPSYPRSSCIRKGVVRQFVKLIVFIGLMGFIEQYINPIVRNSKHPLKGDF  
 LYAIERVLKLSVPLNYVWLCMFYSFFHLWLNILAELLRFGDREFYKDWVNAKTVAEY  
 WKMWNMPVHRWMVRHLYFPCLRNGIPKEGAIIFLVSGAFHELCAVPCHVFKLWA  
 FIGIMFQVPLVLITNYLQEKFSNSMVGNMIFWFIFCILGQPMCVLLYYHDLINLKEK

**Storage**

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

Lyophilized from PBS, 0.05% Brij-78, 6% Trehalose, pH 7.4  
 The volume before lyophilization is 100ul/vial.

**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/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Official Symbol**

O-acyltransferase

**Synonyms**

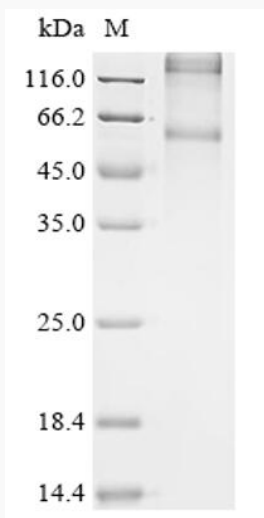
O-acyltransferase; OATs

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## SDS-PAGE



Observed band size:

Monomer: 60 kDa

It is speculated that the protein forms a dimeric structure.

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Boiling SDS-treated samples may result in membrane protein aggregation. Incubation at 37 ° C for 10 min is an effective alternative.