

# Recombinant Full Length *Saccharomyces Cerevisiae* Glycerol-3-Phosphate O-Acyltransferase 1(Sct1) Protein, His-Tagged

**Cat. No.** RFL26919SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Full Length <i>Saccharomyces cerevisiae</i> Glycerol-3-phosphate O-acyltransferase 1(SCT1) Protein (P32784) (1-759aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | <i>S.cerevisiae</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | <i>E.coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-759)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MPAPKLTEKFASSKSTQKTTNYSSIEAKSVKTSADQAYIYQEPSATKKILYSIATWLLY<br>N IFHCFFREIRGRGSFKVPQQGPVIFVAAPHANQFVDPVILMGEVKKSVNRRVSFLIA<br>ESS LKQPPIGFLASFFMAIGVVRPQDNLKPAEGTIRVDPTDYKRVIGHDTHFLTDCM<br>PKGLIG LPKSMGFGEIQSIESDTSLTRKEFKMAKPEIKTALLTGTTYKYAAKVDQSC<br>VYHRVFEH LAHNNCIGIFPEGGSHDRTNLLPLKAGVAIMALGCMKHPDVNVKIVPC<br>GMNYFHPHKFR SRAVVEFGDPIEIPKELVAKYHNPETNRDAVKELLDTISKGLQSVT<br>VTCSDYETLMVVQT IRRLYMTQFSTKLPLPLIVEMNRRMVKGYEFYRNDPKIADLT<br>DIMAYNAALRHYNLPDH LVEEAKVNFANKLGLVFFRSIGLCILFSLAMPGIIMFSPVFI<br>LAKRISQEKARTALSKST VKIKANDVIATWKILIGMGFAPLLYIFWSVLITYYYLRHKPW<br>NKIYVFSGSYISCVIVTYS ALIVGDIGMDGFKSLRPLVLSLTSPKGLQKLQKDRRLAE<br>RIIEVVNNFGSELFPDFDSA ALREEFDVIDEEEDRKTSELNRRKMLRKQKIKRQEK |

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DSSSPIISQRDNHDAYEHHNQDS DGVSLVNSDNSLSNIPLFSSTFHRKSESSLASTS  
VAPSSSSEFEVENEILEEKNGLASKI AQAVLNKRIGENTAREEEEEEEEEEEEEEEEEEE  
EEGKEGDA

**Purity** Greater than 90% as determined by SDS-PAGE.

**Applications** SDS-PAGE

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**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.

## GENE INFORMATION

**Gene Name** SCT1

**Synonyms** SCT1; GAT2; YBL011W; YBL0309; YBL0315; Glycerol-3-phosphate O-acyltransferase 1; G-3-P acyltransferase 1; GPAT 1; Dihydroxyacetone phosphate acyltransferase 1; DHAP-AT 1; Glycerol-3-phosphate / dihydroxyacetone phosphate acyltransferase 1; Suppressor of c

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UniProt ID

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