

Recombinant Full Length *Saccharomyces Cerevisiae* Sphingosine N-Acyltransferase Lac1(Lac1) Protein, His-Tagged

Cat. No. RFL23183SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Saccharomyces cerevisiae</i> Sphingosine N-acyltransferase LAC1(LAC1) Protein (P28496) (1-418aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>S.cerevisiae</i>
Source	<i>E.coli</i>
ProteinLength	Full Length (1-418)
Form	Lyophilized powder
AA Sequence	MSTIKPSPSNNNLKVRSRPRRKSSIGKIDLGDTVPSLGMTFETKESKTAAKRRMQRL SEA TKNDSDLVKKIWFSFREISYRHAWIAPLMILIAVYSAYFTSGNTTKTNVLHRFVA VSYQI GDTNAYGKGINDLCFVFYMIFFTLREFLMDVVIRPFAIRLHVTSKHKRIKIM EQMYAI FYTGVSGPFGIYCMYHSDLWFFNTKAMYRTYPDFTNPFLFKVFYLGQAAF WAQQACILVL QLEKPRKDHNELTFHHIVTLLLIWSSYVFHFTKMGLPIYITMDVSDFLL SFSKTLNYLDS GLAFFSFAIFVVAWIYLRHYINLKILWSVLTQFRTEGNYVLNFATQQ YKCWISLPIVFVL IGALQLVNLYWFLIFRVLYRILWRGILKDDRSDESDEESDESST TPTDSTPTKKDI
Purity	Greater than 90% as determined by SDS-PAGE.

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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	LAC1
Synonyms	LAC1; DGT1; YKL008C; YKL156; Ceramide synthase LAC1; Very-long-chain ceramide synthase LAC1
UniProt ID	P28496

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