O-acyltransferase Protein, Tropaeolum majus (Cell-Free, His)

Cat. No.:	HY-P702391
Synonyms:	O-acyltransferase
Species:	Others
Source:	E. coli Cell-free
Accession:	Q8RX96 (M1-K518)
Gene ID:	/
Molecular Weight:	60.3 kDa

PROPERTIES

AA Sequence	M A V A E S S Q N T T T M S G H G D S D L N N F R R R K P S S S V I E P S S S G F T S T N G V P A T G H V A E N R D Q D R V G A M E N A T G S V N L I G N G G G V V I G N E E K Q V G E T D I R F T Y R P S F P A H R R V R E S P L S S D A I F K Q S H A G L F N L C I V V L I A V N S R L I I E N L M K Y G W L I D T G F W F S S R S L G D W S I F M C C L T L P I F P L A A F I V E K L V Q R N H I S E L V A V L L H V I V S T A A V L Y P V I V I L T C D S V Y M S G V V L M L F G C I M W L K L V S Y A H T S S D I R T L A K S G Y K G D A H P N S T I V S C S Y D V S L K S L A Y F M V A P T L C Y Q P S Y P R S S C I R K G W V V R Q F V K L I V F I G L M G F I I E Q Y I N P I V R N S K H P L K G D F L Y A I E R V L K L S V P N L Y V W L C M F Y S F F H L W L N I L A E L L R F G D R E F Y K D W W N A K T V A E Y W K M W N M P V H R W M V R H L Y F P C L R N G I P K E G A I I I A F L V S G A F H E L C I A V P C H V F K L W A F I G I M F Q V P L V L I T N Y L Q E K F S N S M V G N M I F W F I F C I L G Q P M C V L L Y Y H D L I N L K E K
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The O-acyltransferase protein is implicated in glycerolipid metabolism, specifically playing a crucial role in triacylglycerol biosynthesis, a vital process within lipid metabolism. Triacylglycerols are essential molecules involved in energy storage and represent a key component of lipid droplets in cells. O-acyltransferases are enzymes responsible for catalyzing the acyl transfer reactions that contribute to the formation of triacylglycerols. By participating in these biosynthetic pathways, O-acyltransferases contribute to the regulation of lipid homeostasis and energy storage in cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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