

O-acyltransferase Protein, Zea mays (Cell-Free, His)

Cat. No.:	HY-P702392
Synonyms:	O-acyltransferase
Species:	Others
Source:	E. coli Cell-free
Accession:	B0LF77 (M1-R494)
Gene ID:	103629820
Molecular Weight:	57.8 kDa

PROPERTIES

AA Sequence

M A P P P S M P A A	S D R A G P G R D A	G D S S S L R L R R	A P S A D A G D L A
G D S S G G L R E N	G E P Q S P T N P P	P Q E Q Q Q H E M L	Y Y R A S A P A H R
R V K E S P L S S D	A I F R Q S H A G L	L N L C I V V L I A	V N S R L I I E N L
M K Y G L L I R A G	F W F S A R S L G D	W P L L M C C L T L	P V F P L V A L M A
E K L I T R K L I G	E H V V I L L H I I	I T T S A I V Y P V	V V T L K C D S A V
L S G F V L M F L A	S I M W M K L V S Y	A H T N Y D I R V L	S K S T E K G A A Y
G N Y V D P E N M K	D P T F K S L V Y F	M L A P T L C Y Q P	T Y P Q T T C I R K
G W V T Q Q L I K C	V V F T G L M G F I	I E Q Y I N P I V K	N S K H P L K G N F
L N A I E R V L K L	S V P T L Y V W L C	M F Y C F F H L W L	N I V A E L L C F G
D R E F Y K D W W N	A K T V E E Y W R M	W N M P V H K W I I	R H I Y F P C I R K
G F S R G V A I L I	S F L V S A V F H E	I C I A V P C H I F	K F W A F S G I M F
Q I P L V F L T R Y	L H A T F K H V M V	G N M I F W F F F S	I V G Q P M C V L L
Y Y H D V M N R Q A	Q A S R		

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.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. 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

O-acyltransferase is a key player in glycerolipid metabolism, specifically involved in the biosynthesis of triacylglycerol. This enzyme holds a pivotal role in lipid metabolism, facilitating the conversion and synthesis of important lipid molecules within the cell.

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

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