

Oleosin L Protein, Sesamum indicum (Cell-Free, His)

Cat. No.:	HY-P702395
Synonyms:	Oleosin L; Allergen Ses i 5; Oleosin 15 kDa
Species:	Others
Source:	E. coli Cell-free
Accession:	Q9XHP2 (M1-S145)
Gene ID:	/
Molecular Weight:	16.7 kDa

PROPERTIES

AA Sequence	<p> MA E H Y G Q Q Q Q T R A P H L Q L Q P R A Q R V V K A A T A V T A G G S L L V L S G L T L A G T V I A L T I A T P L L V I F S P V L V P A V I T I F L L G A G F L A S G G F G V A A L S V L S W I Y R Y L T G K H P P G A D Q L E S A K T K L A S K A R E M K D R A E Q F S Q Q P V A G S Q T S </p>
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 ddH ₂ O. 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	<p>The Oleosin L protein appears to serve a structural role in stabilizing lipid bodies during seed desiccation by preventing the coalescence of oil, highlighting its importance in seed physiology. Its potential interaction with both lipid and phospholipid moieties of lipid bodies suggests a versatile molecular engagement, possibly influencing the lipid body's integrity and function. Furthermore, Oleosin L may play a role in providing recognition signals for specific lipase anchorage, indicating its involvement in lipolysis during seedling growth. The multifaceted functions attributed to Oleosin L underscore its significance in orchestrating essential processes related to lipid metabolism and seed development.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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