

Oleosin Protein, Glycine max (Cell-Free, His)

Cat. No.:	HY-P702396
Synonyms:	Oleosin
Species:	Others
Source:	E. coli Cell-free
Accession:	C6SZ13 (M1-S147)
Gene ID:	100306353
Molecular Weight:	17.3 kDa

PROPERTIES

AA Sequence	<p> M A E L H Y Q P Q H Q Y P L R Y P N D P H Q Q T R S S T H Q V V K A A T A V T A G G S L L I L A S L I L A A T V I A L T I V T P L F V I F S P V L V P A V I T V A L L S L G F L A S S G F G V A A I T V L A W I Y R Y V T G K Q P P G A D Q L D S A R H K I M D K A R E I K D Y G Q Q Q I S G V Q A S </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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 protein plays a crucial structural role in stabilizing lipid bodies during seed desiccation by preventing the coalescence of oil, underscoring its significance in seed physiology. It likely engages with both lipid and phospholipid moieties of lipid bodies, suggesting a versatile molecular interaction that contributes to the integrity and function of the lipid body. Additionally, Oleosin may serve as a provider of recognition signals for specific lipase anchorage, indicating its involvement in the regulation of lipolysis during seedling growth. The multifaceted functions associated with Oleosin highlight its pivotal role in governing 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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