

LolA Protein, E.coli (P.pastoris, His)

Cat. No.:	HY-P71812
Synonyms:	lolA; Outer-membrane lipoprotein carrier protein
Species:	E.coli
Source:	P. pastoris
Accession:	A7ZYJ5 (22D-203K)
Gene ID:	58350987
Molecular Weight:	Approximately 22.3 kDa

PROPERTIES

AA Sequence	<p> D A A S D L K S R L D K V S S F H A S F T Q K V T D G S G A A V Q E G Q G D L W V K R P N L F N W H M T Q P D E S I L V S D G K T L W F Y N P F V E Q A T A T W L K D A T G N T P F M L I A R N Q S S D W Q Q Y N I K Q N G D D F V L T P K A S N G N L K Q F T I N V G R D G T I H Q F S A V E Q D D Q R S S Y Q L K S Q Q N G A V D A A K F T F T P P Q G V T V D D Q R K </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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>LolA Protein is involved in the translocation of lipoproteins from the inner membrane to the outer membrane in bacterial cells. It forms a complex with lipoproteins, but this interaction is contingent upon the absence of aspartate immediately following the N-terminal cysteine in the lipoprotein sequence. The presence of aspartate serves as a targeting signal, indicating that the lipoprotein should remain in the inner membrane. LolA functions as a monomer in facilitating the efficient movement of lipoproteins between bacterial membrane compartments.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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