

LptA Protein, E. coli, Recombinant (His & SUMO)

General Information

Synonyms:	lptA;Lipopolysaccharide export system protein LptA;yhbN
Protein Construction:	28-185 aa
Species:	E. coli
Expression Host:	E. coli
Accession:	P0ADV1
Molecular Weight:	33.3 kDa (predicted)
AA Sequence:	VTGDTDQPIHIESDQQSLDMQGNVVTFTGNVIVTQGTIKINADKVVVTRPGGEQGKEVIDGYGKPATFYQMQ DNGKPVVEGHASQMHYELAKDFVVLVTGNAYLQQVDSNIKGDKITLVKEQKMQAFSDKGKRVTTLVPSQLQ DKNNKGQTPAQKKGN

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Involved in the assembly of lipopolysaccharide (LPS). Required for the translocation of LPS from the inner membrane to the outer membrane. May form a bridge between the inner membrane and the outer membrane, via interactions with LptC and LptD, thereby facilitating LPS transfer across the periplasm.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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