

LpxD Protein, Burkholderia pseudomallei, Recombinant (His & Myc)

General Information

Synonyms: UDP-3-O-acylglucosamine N-acyltransferase;lpxD

Protein Construction: 1-361 aa

Species: Burkholderia pseudomallei

Expression Host: E. coli

Accession: A3NAT7

Molecular Weight: 44.2 kDa (predicted)

AA Sequence:

MALTLEALAARFGGEIVGDGRCEV GALAPLDQAGPRQLAFLANPKYLAQVETTGAGAVLIAPGDLEKLGAAA
HGRNFIVTPNPYAYFARVAQM FIDLAAPPRAAGVHPSATIDPAAQVAASAVIGPHVTVEAGAVIGERAQLDA
NVFVGRGTRIGDDSHLYPNVAIYHGCTLGPRRAIVHSGAVIGSDGFGFAPDFVGECDARTGAWVKIPQVGGVK
VGPDVEIGANTTIDRGAMADTVIDECKIDNLVQIGHNCRIGAYTVIAGCAGIAGSTTIGKHCMIGGAVGIAGHV
TLGDYVIVTAKSGVSKSLPKAGIYTSAFP AVEHGDWNRSAALVRNLDKLRDRIKALETALAAREGDAGGA

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: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized 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

A DRUG SCREENING EXPERT

Catalyzes the N-acylation of UDP-3-O-acylglucosamine using 3-hydroxyacyl-ACP as the acyl donor. Is involved in the biosynthesis of lipid A, a phosphorylated glycolipid that anchors the lipopolysaccharide to the outer membrane of the cell.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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