

E. coli BirA / Bifunctional protein BirA (His & MBP Tag)



Catalog Number: 501990

General Information

Gene Name Synonym

Biotin operon repressor; Biotin--[acetyl-CoA-carboxylase] ligase; Biotin--protein ligase; Biotin-[acetyl-CoA carboxylase] synthetase

Protein Construction

A DNA sequence encoding the E.coil BirA (P06709) (Met1-Lys321) was fused with an N-terminal polyhistidine-tagged MBP tag at the N-terminus.

Organism

E. coli

Expression Host

E. coli

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant E.coil BirA/MBP fusion protein consists of 713 amino acids and has a calculated molecular mass of 78.3 kDa. It migrates as an approximately 64-68 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Glycerol, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

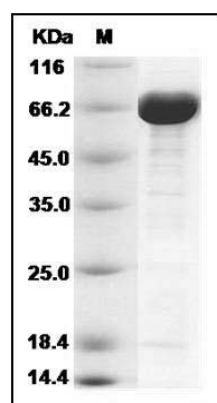
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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