

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

Catalog Number: 11582-E10E



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

bioR; BirA; dnbB

### Protein Construction:

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

**Source:** 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.coli 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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

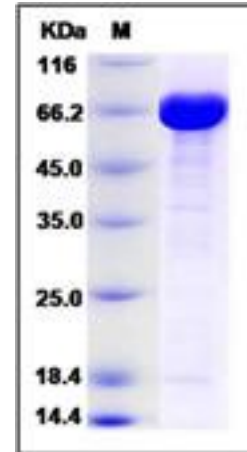
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



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