

Recombinant Escherichia coli O157:H7 birA Protein (M1-K321), His-tagged

Cat. No. birA-1439E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli O157:H7 N-6His-BirA protein with a His tag was expressed in E. coli
Species	E.coli
Source	E.coli
ProteinLength	M1-K321
Description	Acts both as a biotin--[acetyl-CoA-carboxylase] ligase and a biotin-operon repressor. In the presence of ATP, BirA activates biotin to form the BirA-biotinyl-5'-adenylate (BirA-bio-5'-AMP or holoBirA) complex. HoloBirA can either transfer the biotinyl moiety to the biotin carboxyl carrier protein (BCCP) subunit of acetyl-CoA carboxylase, or bind to the biotin operator site and inhibit transcription of the operon.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade

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Storage

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

Storage Buffer

Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping

It is shipped out with blue ice.

GENE INFORMATION**Gene Name**

birA bifunctional protein BirA [*Escherichia coli* O157:H7 str. Sakai]

Official Symbol

birA

Synonyms

birA; bifunctional protein BirA; bifunctional protein BirA

Gene ID

914965

Protein Refseq

NP_312927

UniProt ID

Q8X709

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