

# E. coli acnB recombinant protein



Catalog Number: 502131

## General Information

### Gene Name Synonym

(2R,3S)-2-methylisocitrate dehydratase; (2S,3R)-3-hydroxybutane-1,2,3-tricarboxylate dehydratase; 2-methyl-cis-aconitate hydratase; Iron-responsive protein-like; RNA-binding protein

### Protein Construction

A DNA sequence encoding the E.Coli (strain K12) acnB (P36683) (Met 1-Val 865) was expressed and purified.

### Organism

E. coli

### Expression Host

E. coli

## QC Testing

### Purity

> 97 % 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 1

### Molecular Mass

The recombinant E.Coli acnB consisting of 865 amino acids and has a calculated molecular mass of 93.5 kDa. It migrates as an approximately 95 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 40mM Tris, 1mM DTT, pH 8.2

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

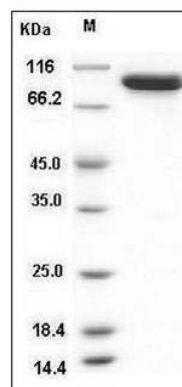
### Storage

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



Escherichia coli acnB Protein SDS-PAGE