

# Human 4E-BP1/EIF4EBP1 (His Tag) recombinant protein



Catalog Number: 500121

## General Information

### Gene Name Synonym

Phosphorylated heat- and acid-stable protein regulated by insulin 1

### Protein Construction

A DNA sequence encoding the human 4EBP1 (NP\_004086.1) (Ser 2-Ile 118) with a N-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 90 % 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 secreted recombinant human 4EBP1

comprises 124 amino acids with a predicted molecular mass of 13.4 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol

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

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

## Usage Guide

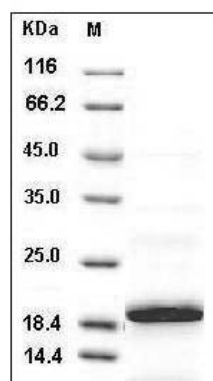
### Storage

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



Human 4E-BP1 / EIF4EBP1 Protein (His Tag) SDS-PAGE