Cynomolgus IGFBP4 (His Tag) recombinant protein

Catalog Number: 504729

General Information

Protein Construction

A DNA sequence encoding the cynomolgus IGFBP4 (Met1-Glu258) was expressed with a polyhistidine tag at the C-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the biological activity of IGFI or IGFII on MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. (1988) Cancer Research 48:4083.).
The ED_{50} for this effect is typically 0.04-0.2 μg/mL in the presence of 14 ng/mL human IGFII.

Purity

> 80 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Asp 22

Molecular Mass

The recombinant heterodimer of cynomolgus IGFBP4 comprises 248 amino acids and has a calculated molecular mass of 27.4 KDa. The apparent molecular mass of the protein is approximately 33-36 KDa respectively in SDS-PAGE.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

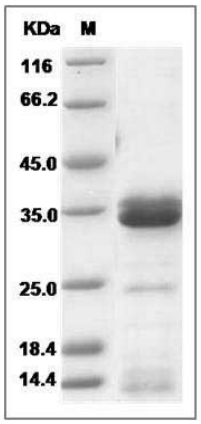
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Cynomolgus IGFBP4 Protein (His Tag) SDS-PAGE