

Cynomolgus IGFBP5 / IGFBP-5 (His Tag) recombinant protein



Catalog Number: 502097

General Information

Protein Construction

A DNA sequence encoding the cynomolgus IGFBP5 (F1PEQ5) (Met1-Glu271) 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 ED₅₀ for this effect is typically 0.1-0.5 µg/mL in the presence of 14 ng/mL human IGFII.

Purity

(82+11) % 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°C

Predicted N terminal

Leu 27

Molecular Mass

The recombinant cynomolgus IGFBP5 comprises 263 amino acids and has a calculated molecular mass of 30 KDa. The apparent molecular mass of it is approximately 38 and 23 KDa in SDS-PAGE under reducing conditions.

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

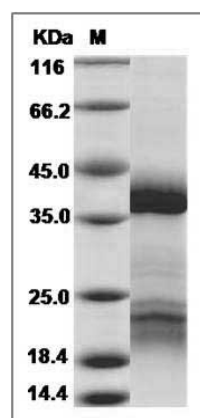
Storage

Store it under sterile conditions at -20°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



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