

Active Recombinant Cynomolgus IGFBP3 protein, His-tagged

Cat. No. IGFBP3-8820C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus IGFBP3 protein(Gly28-Lys291), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Gly28-Lys291
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit the biological activity of IGFII on MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. (1988) Cancer Research 48:4083.). The ED50 for this effect is typically 0.15-0.75 µg/mL in the presence of 14 ng/mL human IGFII.
Molecular Mass	The recombinant heterodimer of cynomolgus IGFBP3 comprises 284 amino acids and has a calculated molecular mass of 31.1 KDa. The apparent molecular mass of the protein is approximately 41-44 KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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