

Active Recombinant Cynomolgus IGFBP5 protein, His-tagged

Cat. No. IGFBP5-065C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus IGFBP5 protein (F1PEQ5) (Met1-Glu271) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Glu271
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 IGF-I or IGF-II on MCF-7 human breast cancer cells. The ED50 for this effect is 1-6 µg/mL in the presence of 14 ng/mL rhIGF-II.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	>90% as determined by SDS-PAGE.

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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

It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

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