

# Cynomolgus GARP&Latent TGF beta 1 Complex Protein

Cat. No. GAT-CM401

## Description

<b>Source</b>	Recombinant Cynomolgus GARP&Latent TGF beta 1 Complex Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ala18-Leu628(GARP)&Leu30-Ser390(Latent TGF beta 1).
<b>Accession</b>	A0A2K5X2X9(GARP)&A0A2K5TJB2(Latent TGF beta 1)
<b>Molecular Weight</b>	The protein has a predicted MW of 70.5 kDa (GARP)&41.3 kDa (Latent TGF Beta 1). Due to glycosylation, the protein migrates to 70-80 kDa (GARP)&13 kDa&42-50 kDa (Latent TGF Beta 1) based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

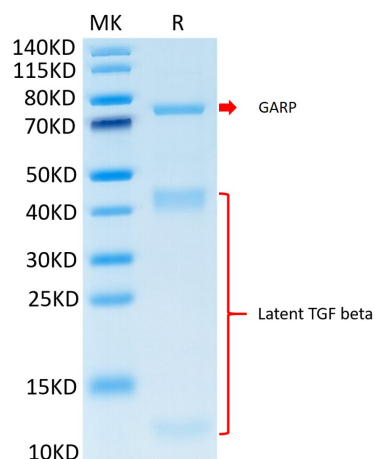
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

GARP&Latent TGF Beta is a complex found on surface of many types of cells. In Tregs, GARP is involved in TCR-mediated activation of Latent TGF-β and thus promoting secretion and activation of TGF-β. Integrin αβ8 on the surface of immune cells and other cells recognizes RGD in LAP, resulting in the release of mature TGF-β from the TGF-β&GARP complex.

## Assay Data

### Tris-Bis PAGE



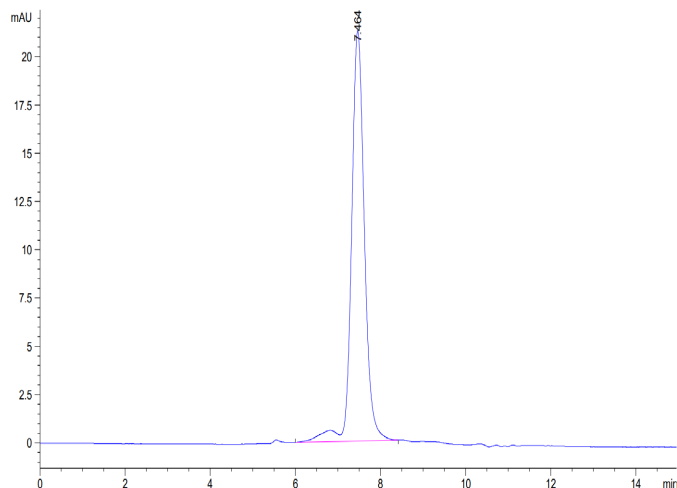
Cynomolgus GARP&Latent TGF beta 1 Complex on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

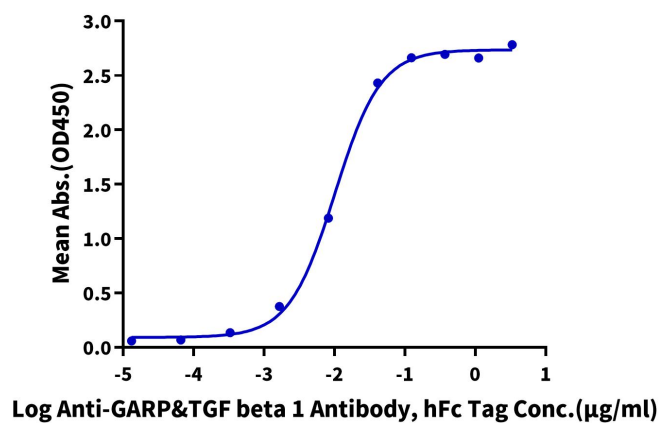


The purity of Cynomolgus GARP&Latent TGF beta 1 Complex is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Cynomolgus GARP&Latent TGF Beta 1 Complex, His Tag ELISA

0.5µg Cynomolgus GARP&Latent TGF Beta 1 Complex, His Tag Per Well



Immobilized Cynomolgus GARP&Latent TGF beta 1 Complex, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-GARP&Latent TGF Beta 1 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA.