

Recombinant Cynomolgus GARP&Latent TGF beta 1 Complex Protein

Catalog No.: RP02690 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|------------|---------|---|
| Cynomolgus | | A0A2K5X2X9 (GARP)&A0A2K5TJB2(Latent TGF beta 1) |

Tags

C-His&Avi

Synonyms

LRRC32; GARP; LAP; TGF-beta-1; LRRC32&TGF-beta 1; LRRC32&TGFB1

Product Information

| Source | Purification |
|--------------|--|
| HEK293 cells | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation


Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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 αvβ8 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.

Basic Information

Description

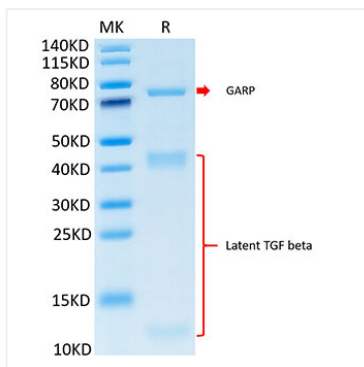
Recombinant Cynomolgus GARP&Latent TGF beta 1 Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala18-Leu628(GARP)&Leu30-Ser390(Latent TGF beta 1).

Bio-Activity

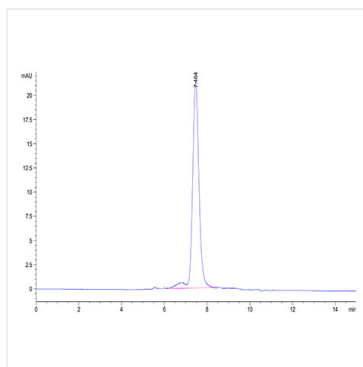
Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



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



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

