

# Biotinylated Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein

Catalog No.: RP02766B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21803&434215	G3XA59(GARP)&P04202(Latent TGF beta 1)

## Tags

N-His&Avi

## Synonyms

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

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

## Endotoxin

< 1 EU/μg of the protein by LAL method.

## Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

## 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.

## Contact

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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

Biotinylated Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala18-Leu628(GARP)&Leu30-Ser390(Latent TGF beta 1)) of Mouse GARP&Latent TGF beta 1 fused with a His and Avi tag at the N-terminal.

### Bio-Activity

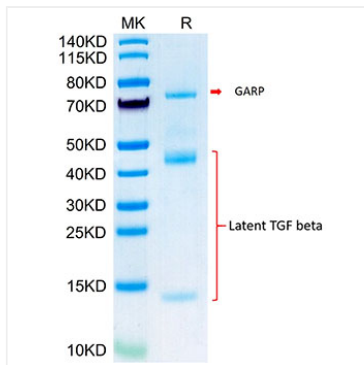
### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

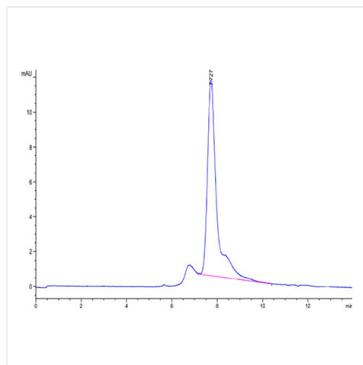
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

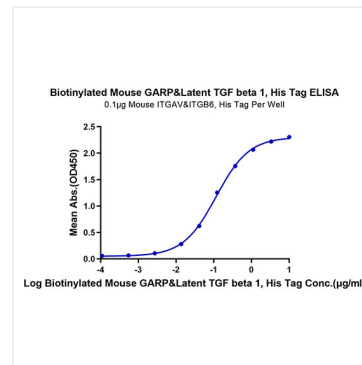
## Validation Data



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



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



Immobilized Mouse ITGAV&ITGB6, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse GARP&Latent TGF beta 1 Complex, His Tag with the EC<sub>50</sub> of 0.12µg/ml determined by ELISA.