

RP02766B

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Biotinylated Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein

Catalog No.: RP02766B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	21803&4342G3XA59(GA15	RP&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

> 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.

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.

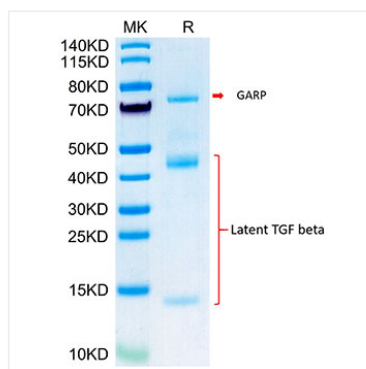
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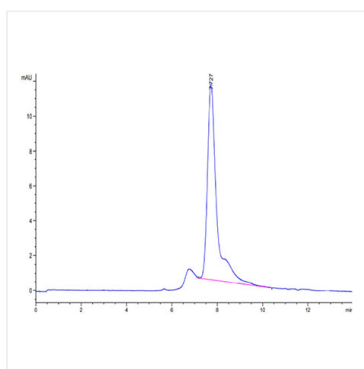
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* For your safety and health, please wear a lab coat and disposable gloves when handling.

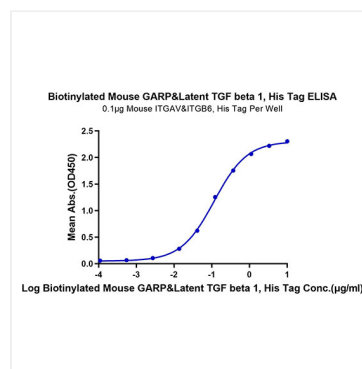
Validation Data



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_{50} of 0.12µg/ml determined by ELISA.