

Biotinylated Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein

Catalog No.: RP02766B

Sequence Information

Species **Gene ID**
Mouse 21803&434215

Swiss Prot **Tags**
G3XA59(GARP) N-His&Avi
&P04202(Latent
TGF beta 1)

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.

Calculated MWObserved MW

66.6 kDa (GARP), 72-76 kDa
44.2 kDa (Latent (GARP), 13, 45-
TGF beta 1) 47 kDa (Latent
 TGF beta 1)

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%

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

Contact

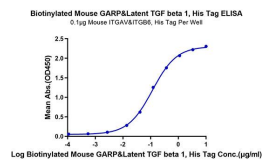
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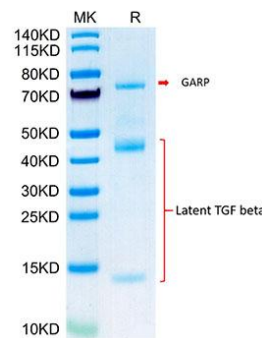
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Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

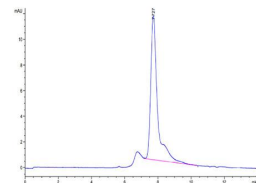
Validation Data



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 EC₅₀ of 0.12µg/ml determined by ELISA.



Biotinylated Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein was determined by Tris-Bis PAGE under reducing conditions.



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