

Rev04
 Update: Aug,08,2025
DATASHEET

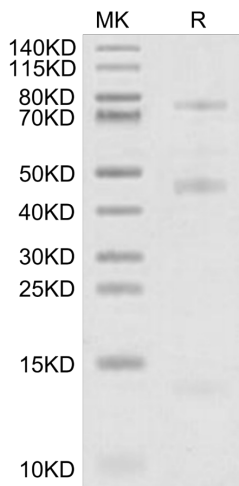
GARP&Latent TGF Beta 2 Complex, His & Avi, Human

Cat. No.: Z05332

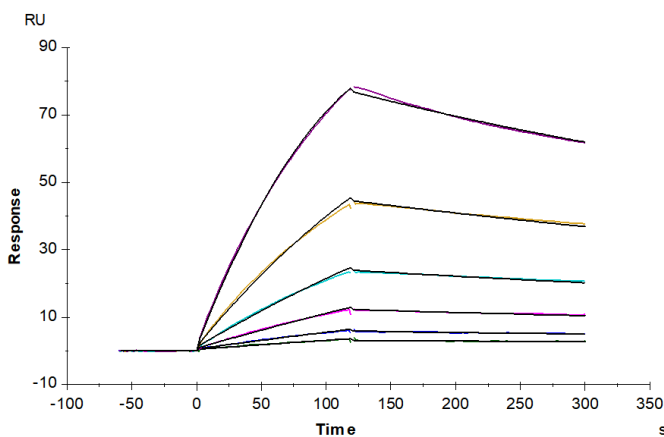
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> GARP & Latent TGF Beta 2 Complex [His20-Leu628 (GARP) & Leu21-Ser414 (Latent TGF Beta 2)] Accession # Q14392 (GARP) & P61812-1 (Latent TGF Beta 2) </div> <div style="background-color: #90c17e; padding: 5px; text-align: center;">His</div> <div style="background-color: #4f81bd; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	70.3 kDa(GARP)&45.53 kDa(Latent TGF Beta 2)
Apparent Molecular Weight	Due to enzyme lysis and glycosylation, the protein migrates to 72-77 kDa(GARP)&13 kDa&46-48 kDa(Latent TGF Beta 2) based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

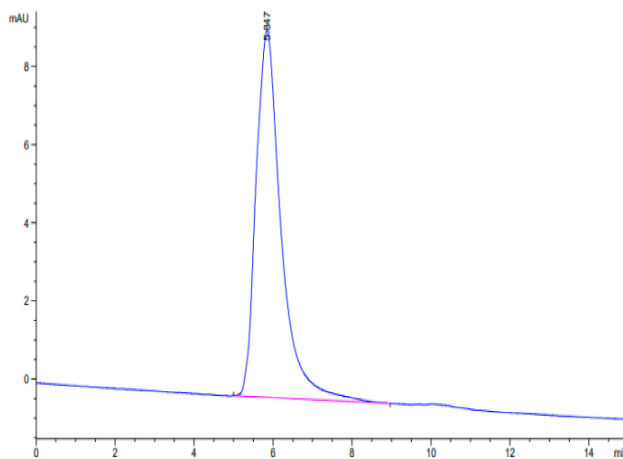
Examples



GARP&Latent TGF Beta 2 Complex, His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Human TGF-beta RII, hFc Tag captured on CM5 Chip via Protein A can bind GARP&Latent TGF Beta 2 Complex, His & Avi, Human, His Tag with an affinity constant of 8.30 nM as determined in SPR assay (Biacore T200).



The purity of GARP&Latent TGF Beta 2 Complex, His & Avi, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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 $\alpha\beta 8$ 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.

Synonyms : Garpin; GARP; LRRC32; D11S833E; GARP&Latent TGF B; GARP&TGF B; Cetermin; G-TSF; LAP; TGF-beta-2; TGF Beta 2; GARP&Latent TGF Beta 2

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China