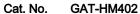
## Human GARP&Latent TGF Beta 2 Complex Protein



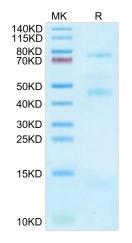


Description	
Source	Recombinant Human GARP&Latent TGF Beta 2 Complex Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains His20-Leu628(GARP)&Leu21-Ser414(Latent TGF Beta 2).
Accession	Q14392(GARP)&P61812-1(Latent TGF Beta 2)
Molecular Weight	The protein has a predicted MW of 70.3 kDa(GARP)&45.53 kDa(Latent TGF Beta 2). 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.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
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	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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 ανβ8 on

the surface of immune cells and other cells recognizes RGD in LAP, resulting in the release of mature TGF-β

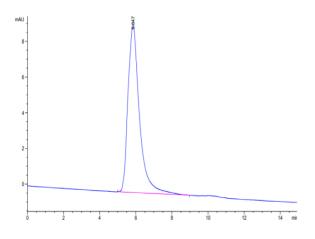
# Assay Data

#### **Bis-Tris PAGE**



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

#### **SEC-HPLC**



from the TGF- $\beta$ &GARP complex.

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

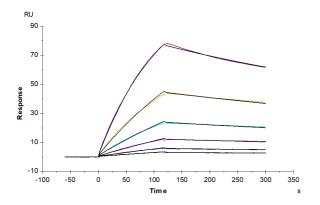
## Human GARP&Latent TGF Beta 2 Complex Protein

Cat. No. GAT-HM402



### **Assay Data**

#### **SPR Data**



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