

Human GARP(Y137H&S138G&G139N)&Latent TGF Beta 1 Complex Protein



Cat. No. GAT-HM405

Description

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|-------------------------|--|
| Source | Recombinant Human GARP(Y137H&S138G&G139N)&Latent TGF Beta 1 Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains His20-Leu628 (GARP(Y137H&S138G&G139N)) & Leu30-Ser390 (Latent TGF beta 1). |
| Accession | Q14392(GARP(Y137H&S138G&G139N))&P01137(Latent TGF beta 1) |
| Molecular Weight | The protein has a predicted MW of 70.3 kDa (GARP(Y137H&S138G&G139N))&41.4 kDa (Latent TGF Beta 1). Due to glycosylation, the protein migrates to 75-80 kDa (GARP(Y137H&S138G&G139N))&15 kDa&43-47 kDa (Latent TGF Beta 1) based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

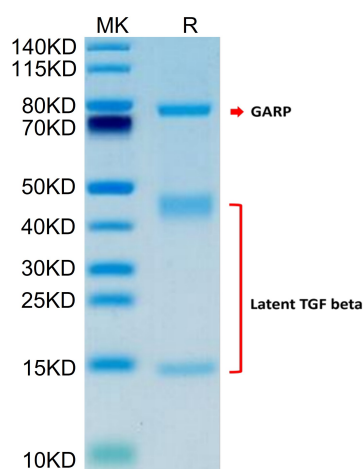
| | |
|--------------------|---|
| Formulation | Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label. |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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 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.

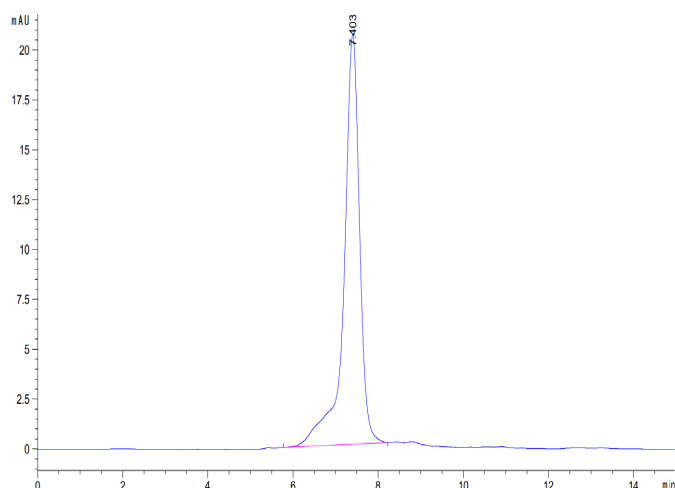
Assay Data

Tris-Bis PAGE



Human GARP(Y137H&S138G&G139N)&Latent TGF Beta 1 Complex on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human GARP(Y137H&S138G&G139N)&Latent TGF Beta 1 Complex is greater than 95% as determined by SEC-HPLC.