

Rev03
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DATASHEET

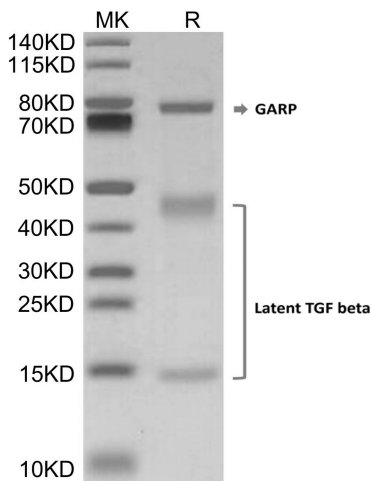
GARP (Y137H&S138G&G139N) & Latent TGF Beta 1 Complex, His & Avi, Human

Cat. No.: Z05329

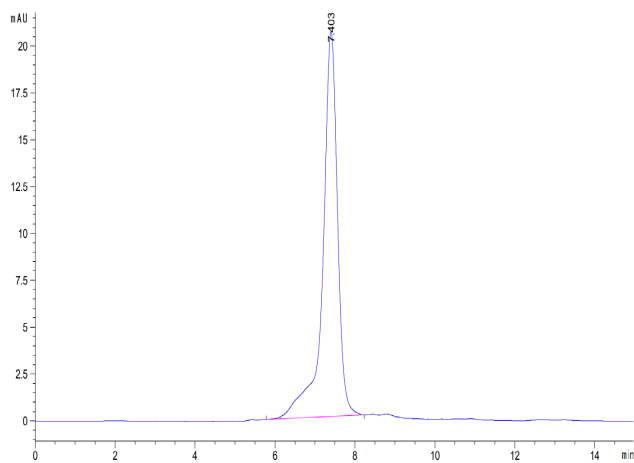
Product Introduction

Species	Human		
Protein Construction	GARP (Y137H & S138G & G139N) & Latent TGF Beta 1 Complex [His20-Leu628 (GARP (Y137H & S138G & G139N)) & Leu30-Ser390 (Latent TGF beta 1)] Accession # Q14392 (GARP (Y137H & S138G & G139N)) & P01137 (Latent TGF beta 1)		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #c8e6c9; padding: 5px;">His</div> <div style="background-color: #66bb6a; padding: 5px;">Avi</div> </div>
	N-term		C-term
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(Y137H&S138G&G139N))&41.4 kDa (Latent TGF Beta 1)		
Apparent Molecular Weight	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 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 (Y137H&S138G&G139N) & Latent TGF Beta 1 Complex, His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of GARP (Y137H&S138G&G139N) & Latent TGF Beta 1 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 : LRRC32; GARP; LAP; TGF-beta-1; LRRC32&TGF-beta 1; LRRC32&TGFB1; TGF- β -1; LRRC32&TGF- β 1; GARP&Latent TGF Beta; GARP&Latent TGF Beta 1

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