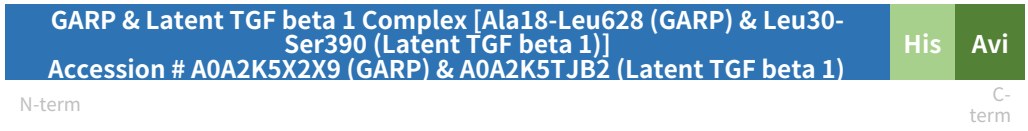
Rev02
Update: Aug,08,2025

DATASHEET

GARP&Latent TGF beta 1 Complex, His & Avi, Cynomolgus

Cat. No.: Z04797

Product Introduction

Species	Cynomolgus
Protein Construction	
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized GARP&Latent TGF beta 1 Complex, His & Avi, Cynomolgus at 5μg/ml (100μl/well) on the plate can bind Anti - GARP&TGF beta 1 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	70.5 kDa (GARP)&41.3 kDa (Latent TGF Beta 1)
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 70-80 kDa (GARP)&13 kDa&42-50 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.

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 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.

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