

Rev01
 Update: Jul,01,2025

DATASHEET

Latent TGF beta 3[Biotin], His, Human

Cat. No.: Z04534

Product Introduction

Species	Human
Protein Construction	<div> <div>His</div> <div>Latent TGF beta 3[Biotin] (Leu24-Ser412)_x000D_ Accession # P10600-1</div> </div> <div> <div>N-term</div> <div>C-term</div> </div>
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	45.9 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Concentration	Verified by one or more methods from 0.64mg/ml A280/Bioactivity/BCA/Bradford.
Storage & Stability	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

Background

Target Background : Transforming growth factor-betas (TGF-βs) are multifunctional cytokines that have been implicated in the regulation of a broad range of biological processes, including cell proliferation, cell survival, and cell differentiation. And transforming growth factor beta3 (TGFβ3) is a key protein involved in scar-free healing observed in embryos.

Synonyms : TGFB3; ARVD; TGF-beta3; TGF-β; TGFβ3; TGFβ; TGF-beta 3

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