

Biotinylated Human Latent TGF beta 3 Protein (Primary Amine Labeling)

Cat. No. TGF-HM103B

Description	
Source	Recombinant Biotinylated Human Latent TGF beta 3 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-Terminus. It contains Leu24-Ser412.
Accession	P10600-1
Molecular Weight	The protein has a predicted MW of 45.9 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

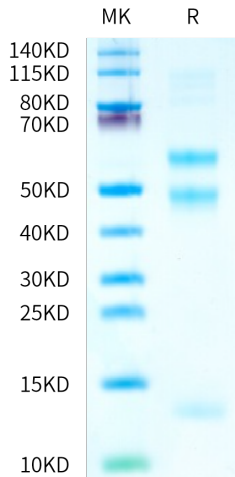
Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 20mM PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Tris-Bis PAGE

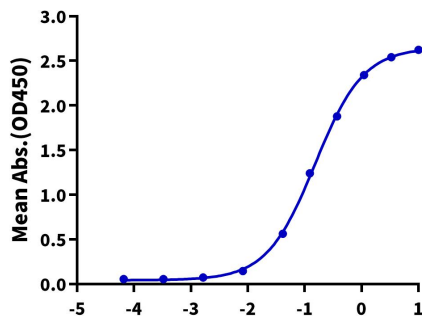


Biotinylated Human Latent TGF beta 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Human Latent TGF beta 3, His Tag ELISA

0.05µg Human TGF-beta RII, mFc Tag Per Well



Immobilized Human TGF-beta RII at 0.5µg/ml(100µl/well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 3, His Tag with the EC50 of 0.15µg/ml determined by ELISA.

Log Biotinylated Human Latent TGF beta 3, His Tag Conc.(µg/ml)