Human Latent TGF beta 3 Protein

Cat. No. TGF-HM103

Description

Source	Recombinant Human Latent TGF beta 3 Protein 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 46-60 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

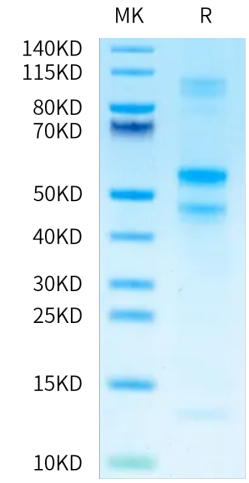
Formulation	Lyophilized from 0.22μm filtered solution in 20mM PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.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 (TGFbeta3) is a key protein involved in scar-free healing observed in embryos.

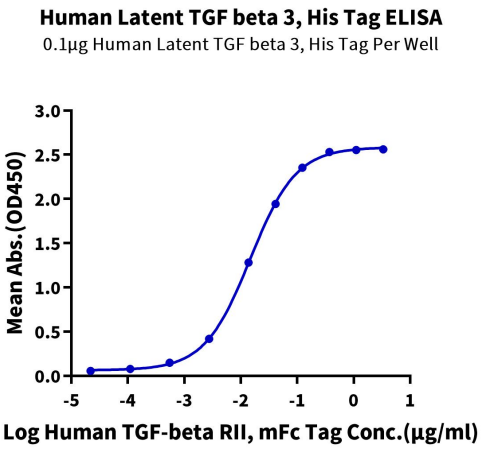
Assay Data

Tris-Bis PAGE



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

ELISA Data



Immobilized Human Latent TGF beta 3, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 14.7ng/ml determined by ELISA.