Biotinylated Human Latent TGF beta 1/TGFB1 Protein

Catalog # TGFB1-HB003 Form: Lyophilized

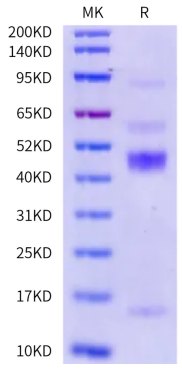
Product Details

Product description	Recombinant Biotinylated Human Latent TGF beta 1/TGFB1 Protein is expressed in HEK293 cells with a His tag and Avi tag at the N-terminus. It contains amino acid residues Leu30-Ser390(C33S) (UniProt accession: P01137).
Molecular aliases	CEDLAP; DPD1; TGF beta1; TGFB; TGFB1; TGFbeta; TGF-beta-1; TGF β1; TGFβ; TGF-β-1; TGF-beta 1;TGF b1; TGF beta 1; TGF beta; TGF-b-1; TGF-b1
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 44.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa (LAP) / 13-15 kDa (Mature TGF beta 1) based on Bis-Tris PAGE result.
Purity	> 90% as determined by Bis-Tris PAGE > 85% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Biotinylated Human Latent TGF beta 1 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.