

# Biotinylated Human Mature TGF beta 3 Protein

Cat. No. TG3-HM00MB

Description	
Source	Recombinant Biotinylated Human Mature TGF beta 3 Protein is expressed from HEK293 with Avi tag at the C-Terminus. It contains Ala301-Ser412.
Accession	P10600-1
Molecular Weight	The protein has a predicted MW of 14.53 kDa. Due to glycosylation, the protein migrates to 15-20 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

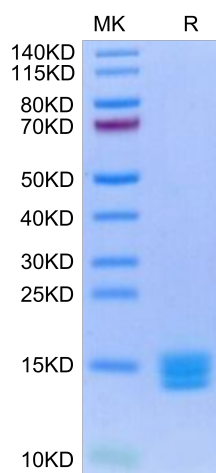
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 4mM HCl.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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-beta 3 is a cytokine which is involved in cell growth regulation and differentiation, stimulation of extracellular matrix and modulation of immune responses. TGF beta 3 RNA is expressed in a diverse array of tissues including perichondrium, bone, intervertebral discs, mesenteries, pleura, heart, lung, palate, and amnion, as well as in central nervous system (CNS) structures such as the meninges, choroid plexus and the olfactory bulbs. Furthermore, in several organ systems, TGF beta 3 transcripts are expressed during periods of active morphogenesis suggesting that the protein may be an important factor for the growth and differentiation of many embryonic tissues.

## Assay Data

### Tris-Bis PAGE



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

### ELISA Data

# Biotinylated Human Mature TGF beta 3 Protein

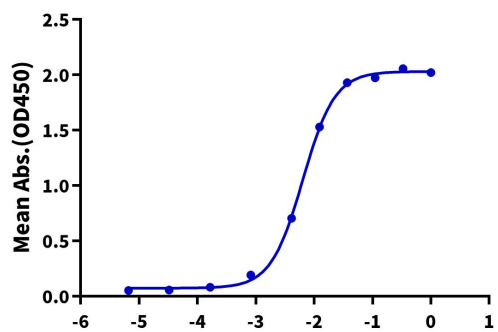
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## Assay Data

### Biotinylated Human Mature TGF beta 3, Avi Tag ELISA

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



Immobilized Human TGF-beta RII, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Mature TGF beta 3, Avi Tag with the EC50 of 6.4ng/ml determined by ELISA.

Log Biotinylated Human Mature TGF beta 3, Avi Tag Conc.(µg/ml)