

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 Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

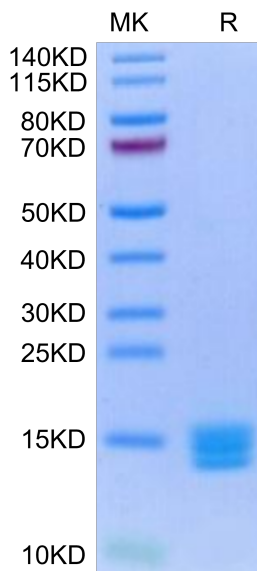
Formulation	Lyophilized from 0.22µm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in 4mM HCL. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as 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.

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

Bis-Tris PAGE



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

ELISA Data

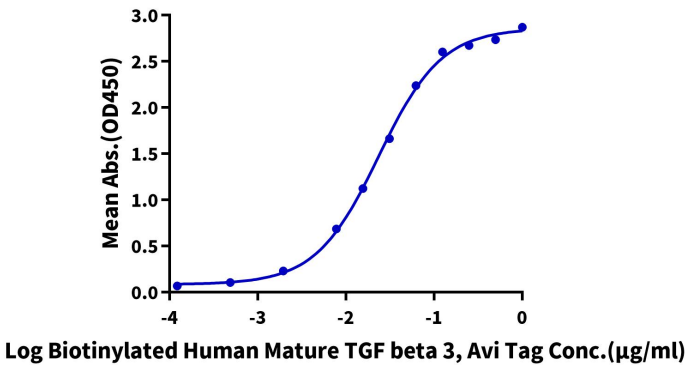
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Assay Data

Biotinylated Human Mature TGF beta 3, Avi Tag ELISA
0.1µg Human TGF-beta RII, mFc Tag Per Well



Immobilized Human TGF-beta RII, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Mature TGF beta 3, Avi Tag with the EC50 of 23.5ng/ml determined by ELISA (QC Test).