Biotinylated Human Mature TGF beta 2 Protein

Cat. No. TG2-HM00MB

Description

Source	Recombinant Biotinylated Human Mature TGF beta 2 Protein is expressed from HEK293 with Avi tag at the C-Terminus.
	It contains Ala303-Ser414.
Accession	P61812-1
Molecular Weight	The protein has a predicted MW of 14.53 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

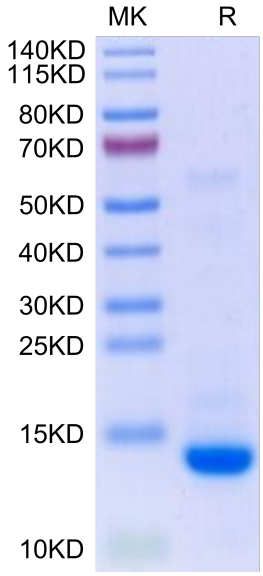
Formulation	Lyophilized from 0.22μm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 4mM HCl.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-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(2) (TGF-beta(2)), a growth regulator of human lens epithelial cells (HLECs), also regulates the death of these cells. TGF-beta(2)-induced apoptosis in HLECs was preceded by an induction of reactive oxygen species (ROS) and a decrease in glutathione in the intracellular content, indicating that this factor induces oxidative stress in HLECs.

Assay Data

Bis-Tris PAGE



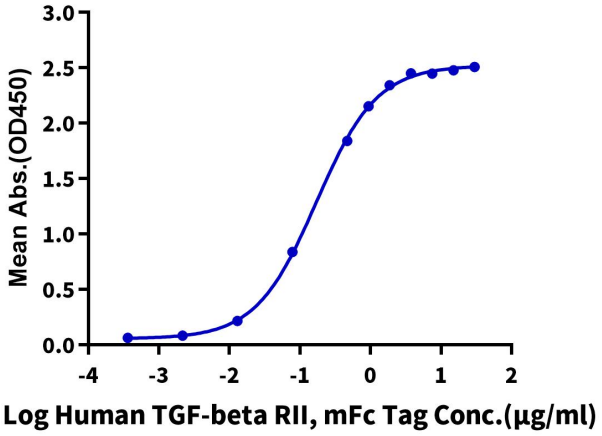
Biotinylated Human Mature TGF beta 2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Biotinylated Human Mature TGF beta 2, Avi Tag ELISA

0.5µg Biotinylated Human Mature TGF beta 2, Avi Tag Per Well



Immobilized Biotinylated Human Mature TGF beta 2, Avi Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 0.17µg/ml determined by ELISA (QC Test).