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TGFB2 Protein (AA 303-414)

Images



Overview

Quantity:	100 μg
Target:	TGFB2
Protein Characteristics:	AA 303-414
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

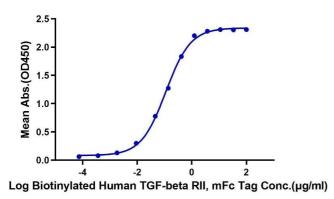
Purpose:	Human Mature TGF beta 2 Protein
Sequence:	Ala303-Ser414
Characteristics:	Recombinant Human Mature TGF beta 2 Protein is expressed from HEK293 without tag. It contains Ala303-Ser414.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Mature TGF beta 2, No Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human TGF-beta RII, mFc Tag with the EC50 of 0.11µg/ml
	determined by ELISA. See testing image for detail.

Target Details

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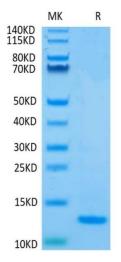
3	
Alternative Name:	TGF beta 2 (TGFB2 Products)
Background:	Transforming growth factor beta(2) (TGF-beta(2)), a growth regulator of human lens epithelial cells (HLECs), also regulates the death of these cells. TGF-beta(2)-induced apoptosis in HLECs was preceded by an induction of reactive oxygen species (ROS) and a decrease in glutathione
	in the intracellular content, indicating that this factor induces oxidative stress in HLECs.
Molecular Weight:	12.7 kDa. Due to glycosylation, the protein migrates to 13-15 kDa based on Tris-Bis PAGE result.
Pathways:	Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Protein targeting to Nucleus
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in 4 mM HCl.
Buffer:	Lyophilized from $0.22\mu m$ filtered solution in 4 mM HCl. Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months

Human Mature TGF beta 2, No Tag ELISA 0.2µg Human Mature TGF beta 2, No Tag Per Well



ELISA

Image 1. Immobilized Human Mature TGF beta 2, No Tag at $2 \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Biotinylated Human TGF-beta RII, mFc Tag with the EC50 of 0.11 $\mu g/mL$ determined by ELISA.



SDS-PAGE

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