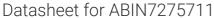
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TGFB2 Protein (AA 303-414) (AVI tag, Biotin)





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Quantity:	100 μg
Target:	TGFB2
Protein Characteristics:	AA 303-414
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB2 protein is labelled with AVI tag,Biotin.

Product Details

Purpose:	Biotinylated Human Mature TGF beta 2 Protein	
Sequence:	Ala303-Ser414	
Characteristics:	Recombinant Biotinylated Human Mature TGF beta 2 Protein is expressed from HEK293 with Avi tag at the C-Terminus.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 Biotinylated Human Mature TGF beta 2, Avi Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 0.15µg/ml	
	determined by ELISA. See testing image for detail.	

Target Details

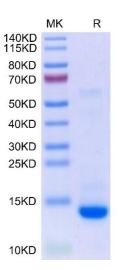
Target:	TGFB2
Alternative Name:	TGF beta 2 (TGFB2 Products)
Background:	Transforming growth factor beta(2) (TGF-beta(2)), a growth regulator of human lens epithelial cells (HLECs), also regulates the death of these cells. TGF-beta(2)-induced apoptosis in HLECs was preceded by an induction of reactive oxygen species (ROS) and a decrease in glutathione in the intracellular content, indicating that this factor induces oxidative stress in HLECs.
Molecular Weight:	14.53 kDa same as 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
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Handling

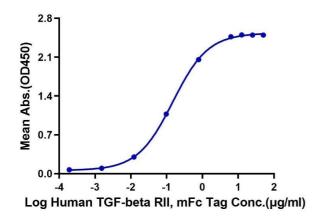
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in 4 mM HCl.
Buffer:	Lyophilized from 0.22µm filtered solution in 4 mM HCl. Normally 8 % trehalose is added as protectant before 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



SDS-PAGE

Image 1. Biotinylated Human Mature TGF beta 2 on Tris-Bis PAGE under reduced condition. The purity is greater than $95\,\%$.

Biotinylated Human Mature TGF beta 2, Avi Tag ELISA 0.2µg Biotinylated Human Mature TGF beta 2, Avi Tag Per Well



ELISA

Image 2. Immobilized Biotinylated Human Mature TGF beta 2, Avi Tag at $2 \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 0.15 $\mu g/mL$ determined by ELISA.