

Datasheet for ABIN7275718

TGFBR2 Protein (AA 24-159) (mFc-Avi Tag,Biotin)



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3 Images

Overview

Quantity:	100 µg
Target:	TGFBR2
Protein Characteristics:	AA 24-159
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBR2 protein is labelled with mFc-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human TGF-beta RII/TGFBR2 Protein
Sequence:	Ile24-Asp159
Characteristics:	Recombinant Biotinylated Human TGF-beta RII/TGFBR2 Protein is expressed from HEK293 with mFc (IgG1) tag and Avi tag at C-Terminus.It contains Ile24-Asp159.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
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

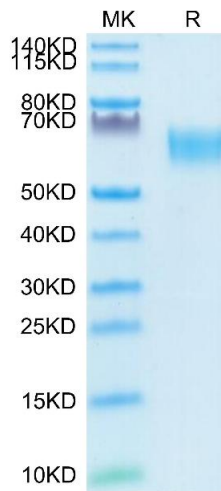
Target:	TGFBR2
Alternative Name:	TGF-beta RII (TGFBR2 Products)
Background:	The TGFBR2 gene provides instructions for making a protein called transforming growth factor-beta (TGF- β) receptor type 2. This receptor transmits signals from the cell surface into the cell through a process called signal transduction. Through this type of signaling, the environment outside the cell affects activities inside the cell such as stimulation of cell growth and division.
Molecular Weight:	44 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

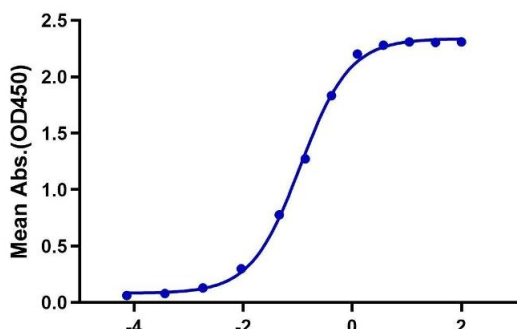
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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 TGF-beta RII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

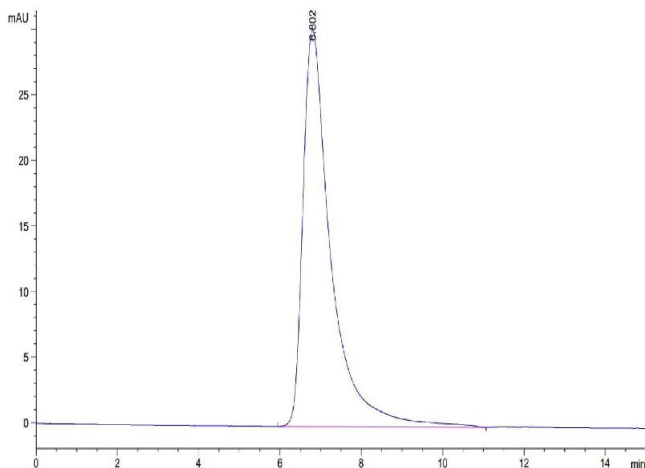
Biotinylated Human TGF-beta RII, mFc Tag ELISA
0.2µg Human Mature TGF beta 2, No Tag Per Well



Log Biotinylated Human TGF-beta RII, mFc Tag Conc.(µg/ml)

ELISA

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human TGF-beta RII is greater than 95 % as determined by SEC-HPLC.