

Datasheet for ABIN7275717

## TGFBR2 Protein (AA 24-159) (mFc-Avi Tag)



[Go to Product page](#)

### 4 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.

#### Product Details

Purpose:	Human TGF-beta RII/TGFBR2 Protein
Sequence:	Ile24-Asp159
Characteristics:	Recombinant 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 1, No Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 8ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	TGFBR2
Alternative Name:	TGF-beta RII ( <a href="#">TGFBR2 Products</a> )
Background:	The TGFBR2 gene provides instructions for making a protein called transforming growth factor-beta (TGF- $\beta$ ) 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

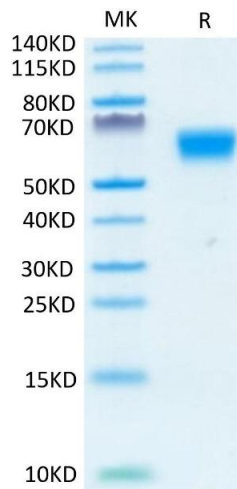
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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu\text{m}$ 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

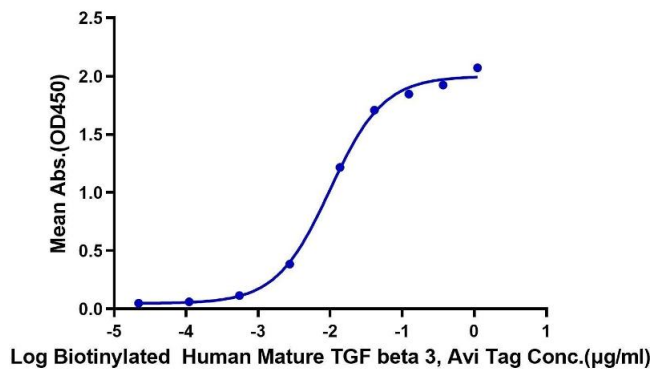


### SDS-PAGE

**Image 1.** Human TGF-beta RII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

### Human TGF-beta RII, mFc Tag ELISA

0.05µg Human TGF-beta RII, mFc Tag Per Well

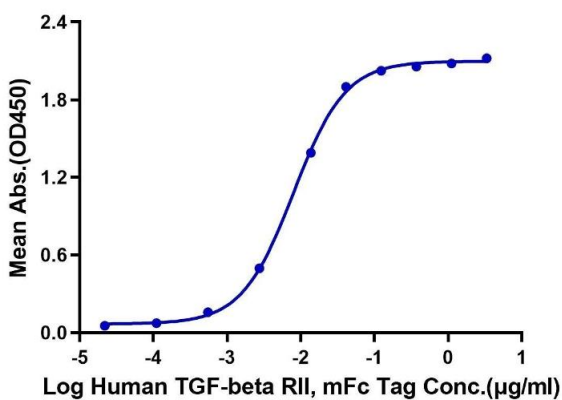


### ELISA

**Image 2.** Immobilized Human TGF-beta RII, mFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human Mature TGF beta 3, Avi Tag with the EC50 of 9.9 ng/mL determined by ELISA.

### Human TGF-beta RII, mFc Tag ELISA

0.05µg Human Mature TGF beta 1, No Tag Per Well



### ELISA

**Image 3.** Immobilized Human Mature TGF beta 1, No Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 8 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275717.