



[Go to Product page](#)

Datasheet for ABIN7275719  
**TGFBR2 Protein (Fc Tag)**

4 Images

Overview

Quantity:	100 µg
Target:	TGFBR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBR2 protein is labelled with Fc Tag.

Product Details

Sequence:	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 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human TGF-beta RII, hFc Tag with the EC50 of 23.2ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TGFBR2
Alternative Name:	TGF-beta RII ( <a href="#">TGFBR2 Products</a> )
Background:	TGFR2, TGFBR2, TbetaR-II, TGFβR2, TbetaR-II, TGFβR2, AAT3, FAA3, LDS1B, LDS2, LDS2B, MFS2, RIIC, TAAD2,The TGFBR2 gene provides instructions for making a protein called

## Target Details

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: 44.2 kDa. Due to glycosylation, the protein migrates to 50-68 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100  $\mu\text{g}/\text{mL}$  is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

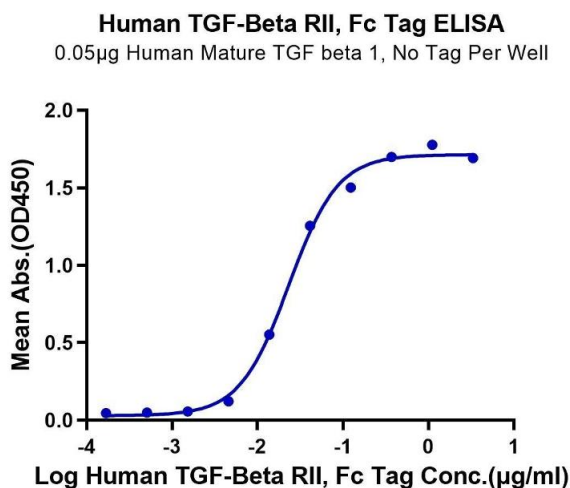
Buffer: Lyophilized from 0.22 $\mu\text{m}$  filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4  $^{\circ}\text{C}$ , -80  $^{\circ}\text{C}$

Storage Comment: Reconstituted protein stable at -80 $^{\circ}\text{C}$  for 12 months, 4 $^{\circ}\text{C}$  for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

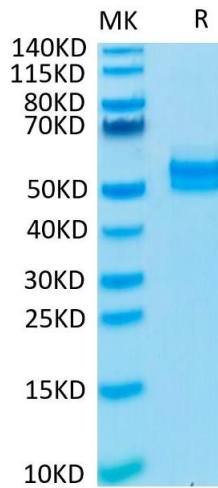
Expiry Date: 12 months

## Images



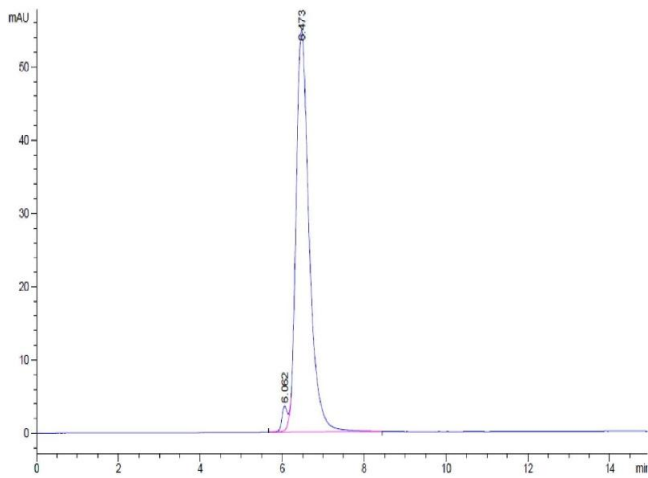
### ELISA

**Image 1.** Immobilized Human Mature TGF beta 1 at 0.5  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{Well}$ ) on the plate. Dose response curve for Human TGF-beta RII, hFc Tag with the EC50 of 23.2 ng/mL determined by ELISA.



### SDS-PAGE

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



### Size-exclusion chromatography-High Pressure Liquid Chromatography

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

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275719.