

Datasheet for ABIN7275720

TGFB1 Protein (mFc-Avi Tag)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	TGFB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFB1 protein is labelled with mFc-Avi Tag.

Product Details

Sequence:	Leu34-Glu125
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.

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 (TGFB1 Products)
Background:	AAT5, ACVRLK4, ALK-5, LDS1A, LDS2A, SKR4, tbetaR-I, TGFB1R1, TGF-beta RI, TGFbetaRI, TGFB1, TGF-bRI, TGFR-1,transforming growth factor beta receptor 1 (TGFB1), a key stimulator of tumor proliferation and metastasis, was a direct target of miR-98-5p. miR-98-5p overexpression resulted in the downregulation of TGFB1 and the suppression of the viability, proliferation, migration and invasion of A549 and H1299 cells.

Target Details

Molecular Weight:	38.2 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Tris-Bis PAGE result.
Pathways:	Growth Factor Binding

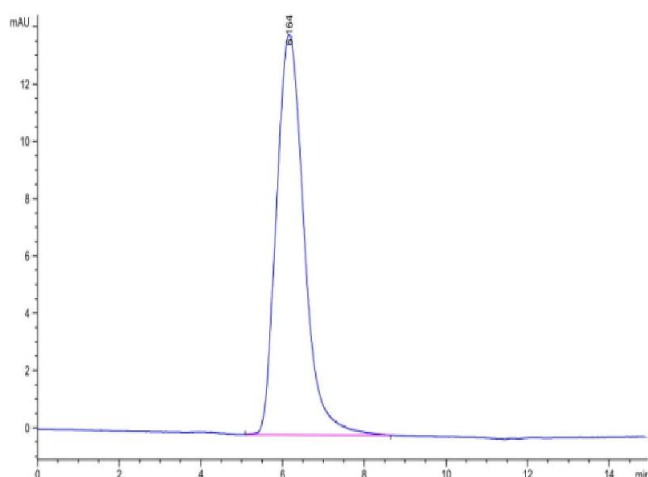
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

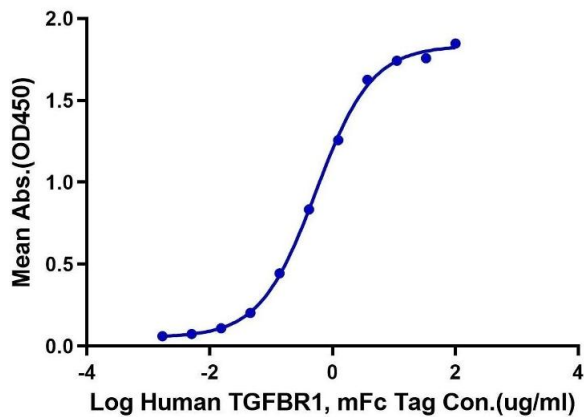
Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

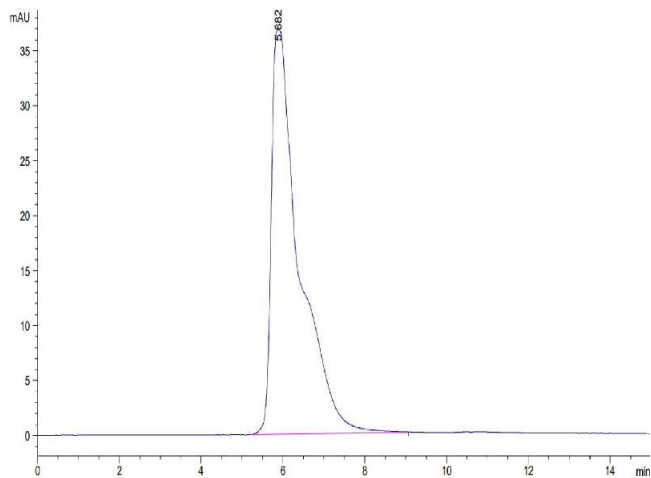
Image 1. The purity of Human TGFBR1 is greater than 95 % as determined by SEC-HPLC.

Human TGFBR1, mFc Tag ELISA
0.1ug Human Mature TGF beta 1, No Tag Per Well



ELISA

Image 2. Immobilized Human Mature TGF beta 1 at 1 μ g/mL (100 μ L/Well). Dose response curve for Human TGFBR1, mFc Tag with the EC50 of 0.5 μ g/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human TGFBR1 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275720.