Human TGFBR1 Protein

Cat. No. TGF-HM6R1

Description

Source	Recombinant Human TGFBR1 Protein is expressed from HEK293 with mFc (IgG1) tag and Avi tag at the C-Terminus.
	It contains Leu34-Glu125.
Accession	P36897-1
Molecular Weight	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

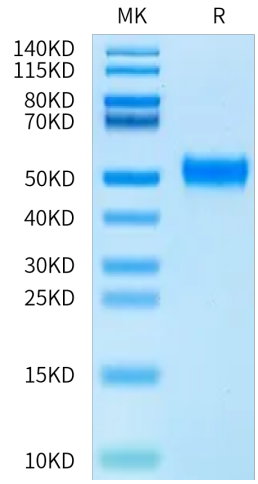
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

transforming growth factor beta receptor 1 (TGFBR1), a key stimulator of tumor proliferation and metastasis, was a direct target of miR985p. miR985p overexpression resulted in the downregulation of TGFBR1 and the suppression of the viability, proliferation, migration and invasion of A549 and H1299 cells.

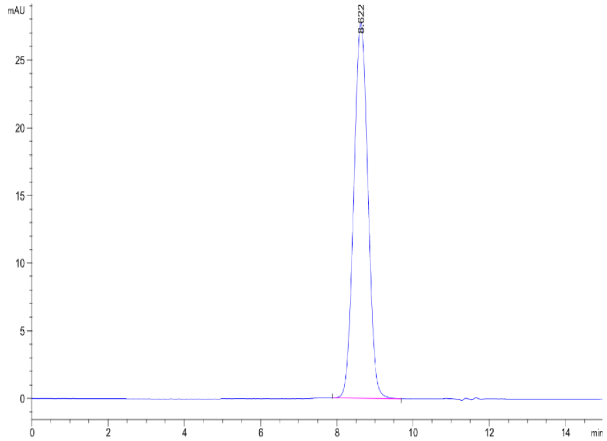
Assay Data

Bis-Tris PAGE



Human TGFBR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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