

# Biotinylated Human TGF-beta RII/TGFBR2 Protein

Cat. No. TGF-HM3R2B

## Description

<b>Source</b>	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.
<b>Accession</b>	P37173-1
<b>Molecular Weight</b>	The protein has a predicted MW of 44 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

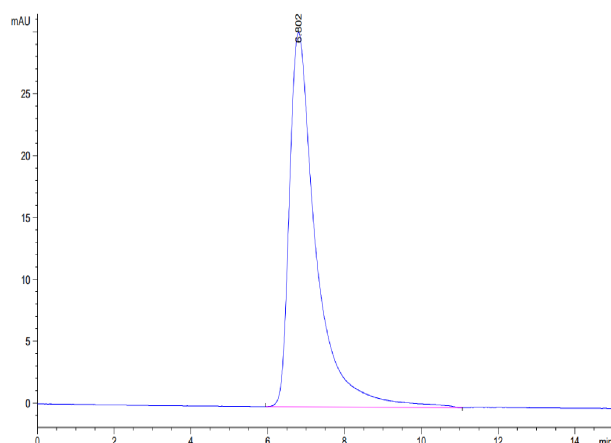
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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

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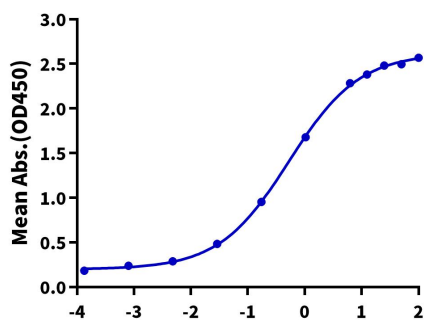
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## Assay Data

### ELISA Data

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

0.5µg Human Mature TGF beta 2, No Tag Per Well



Immobilized Human Mature TGF beta 2, No Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human TGF-beta RII, mFc Tag with the EC50 of 0.53µg/ml determined by ELISA (QC Test).

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