

Biotinylated Human TGF-beta RII/TGFBR2 Protein



Cat. No. TGF-HM3R2B

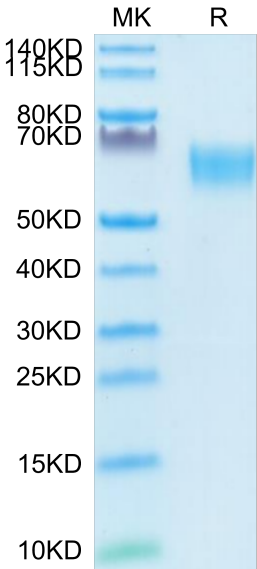
| Description      |   |
|------------------|---|
| Source           | Recombinant Biotinylated Human TGF-beta RII/TGFBR2 Protein is expressed from HEK293 with mFc (IgG1) tag and Avi tag at C-Terminus.<br>It contains Ile24-Asp159. |
| Accession        | P37173-1  |
| Molecular Weight | The protein has a predicted MW of 44 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.                                |
| Endotoxin        | Less than 1 EU per µg by the LAL method.  |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 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          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| 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  |  |
|---|--|
| The TGFBR2 gene provides instructions for making a protein called transforming growth factor-beta (TGF-β) 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%.

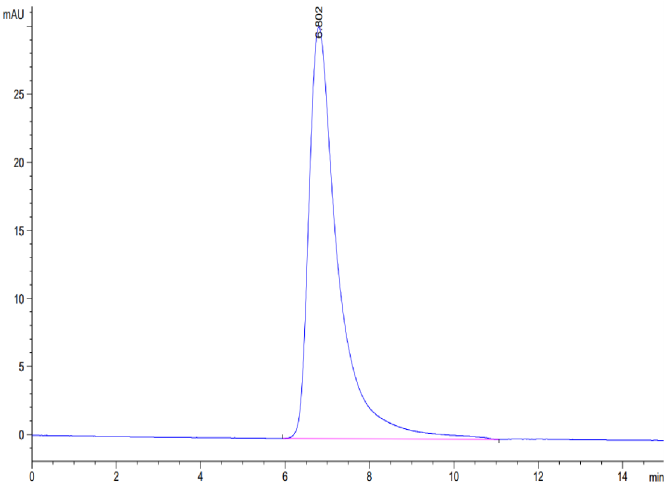
SEC-HPLC

Biotinylated Human TGF-beta RII/TGFR2 Protein

Cat. No. TGF-HM3R2B



Assay Data

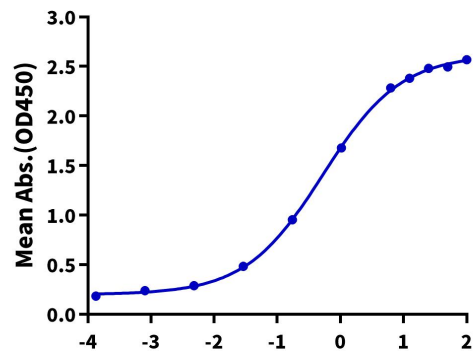


The purity of Biotinylated Human TGF-beta RII is greater than 95% as determined by SEC-HPLC.

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).