

# Recombinant Human TGFBR2 Protein, Ile24-Asp159, C-mFc-Avi tagged, Biotinylated

**Cat. No.** TGFBR2-237H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human TGF-beta RII/TGFBR2-C-mFc-Avi protein was developed from HEK293 and has a target region of C-mFc-Avi.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ile24-Asp159
<b>Description</b>	The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF-beta receptor type-1, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of genes related to cell proliferation, cell cycle arrest, wound healing, immunosuppression, and tumorigenesis. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilised
<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

 Tel: 1-631-559-9269    1-516-512-3133

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 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).
<b>Storage</b>	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
<b>Storage Buffer</b>	Lyophilised from 0.2 µm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	TGFBR2 transforming growth factor, beta receptor II (70/80kDa) [ Homo sapiens (human) ]
<b>Official Symbol</b>	TGFBR2
<b>Synonyms</b>	TGFBR2; transforming growth factor, beta receptor II (70/80kDa); MFS2, transforming growth factor, beta receptor II (70 80kD); TGF-beta receptor type-2; tbetaR-II; TGF-beta receptor type II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor-beta receptor type II; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II (70/80kDa) isoform 1; transforming growth factor, beta receptor II (70/80kDa) isoform 2; AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII;
<b>Gene ID</b>	7048
<b>mRNA Refseq</b>	NM_001024847
<b>Protein Refseq</b>	NP_001020018

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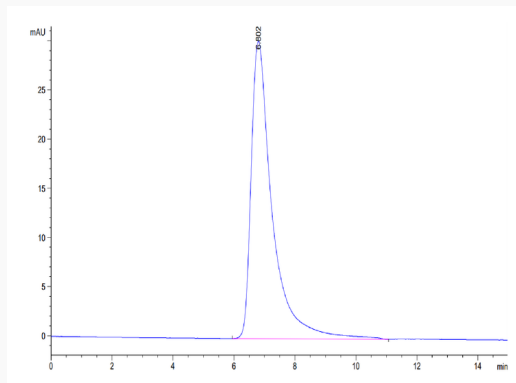
**MIM** 190182

**UniProt ID** P37173

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



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



**Immobilized Human Mature TGF beta 2, No Tag at 2 µg/mL**

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(100  $\mu$ L/Well) on the  
plate. Dose response  
curve for  
Biotinylated Human  
TGF-beta RII, mFc  
Tag with the EC50 of  
0.11  $\mu$ g/mL  
determined by  
ELISA.

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