

Recombinant Human TGFB β 2 Protein, Ile24-Asp159, C-mFc-Avi tagged, Biotinylated

Cat. No. TGFB β 2-237H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TGF- β 2 RII/TGFB β 2-C-mFc-Avi protein was developed from HEK293 and has a target region of C-mFc-Avi.
Species	Human
Source	HEK293
ProteinLength	Ile24-Asp159
Description	The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF- β receptor type-1, and binds TGF- β . 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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/ μ g (1 EU/ μ g).

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Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
Storage Buffer	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
Conjugation	Biotin

GENE INFORMATION

Gene Name	TGFB2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens (human)]
Official Symbol	TGFB2
Synonyms	TGFB2; 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;
Gene ID	7048
mRNA Refseq	NM_001024847
Protein Refseq	NP_001020018

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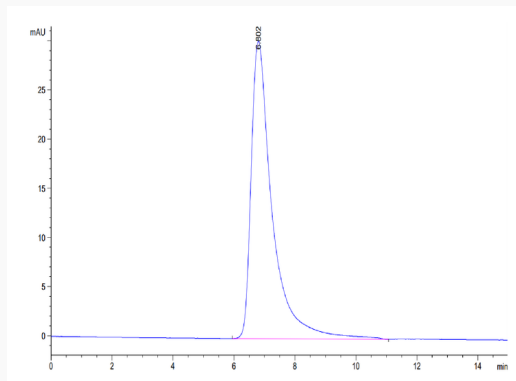
MIM 190182

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

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