

Recombinant Human TGFB β 2 Protein (ECD), Fc-His-tagged(C-ter)

Cat. No. TGFB β 2-304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB β 2 Protein (ECD) with Fc-His tag (C-ter) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Thr23-Asp159
Description	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.
Form	Powder
Endotoxin	Endotoxin level is less than 0.1 EU/ μ g of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)

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Applications	Binding, SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.
GENE INFORMATION	
Gene Name	TGFB2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens]
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

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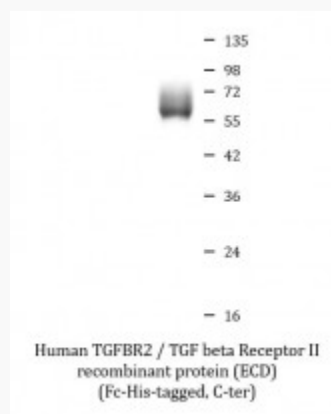
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Protein Refseq [NP_001020018](#)

MIM [190182](#)

UniProt ID [P37173](#)

SDS-PAGE



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