

Recombinant Human TGFBR2 Protein (ECD), Fc-His-tagged(C-ter)

Cat. No. TGFBR2-304H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human TGFBR2 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/μg 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 | TGFBR2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens] |
| Official Symbol | TGFBR2 |
| Synonyms | 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; |
| Gene ID | 7048 |
| mRNA Refseq | NM_001024847 |

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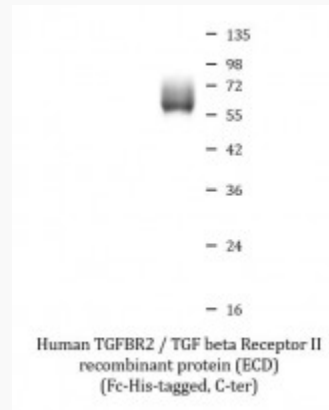
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Protein Refseq NP_001020018

MIM 190182

UniProt ID P37173

SDS-PAGE



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