

Recombinant Human TGFBR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TGFBR2-4439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TGFBR2 MS Standard C13 and N15-labeled recombinant protein (NP_003233) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	64.57 kDa
AA Sequence	MGRGLLRGLWPLHIVLWTRIASTIPPHVQKSVNNDMIVTDNNGAVKFPQLCKFCDVR FSTCDNQKSCMSNCSITSICEKPQEVCAVWRKNDENITLETVCHDPKLPYHDFILE DAASPKCIMKEKKKPGETFFMCSCSSDECNDNIIFSEEYNTSNPDLVVIFQVTGISLL PPLGVAISVIIIIFYCYRVNRQQKLSSTWETGKTRKLMFSEHCAIILEDDRSDISSTCA NNINHNTPELLPIELDTLVGKGRFAEVYKAKLKQNTSEQFETVAVKIFPYEEYASWKTE

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KDIFSDINLKHENILQFLTAERKTELGKQYWLITAFHAKGNLQEYLTRHVISWEDLRK
 LGSSLARGIAHLHSDHTPCGRPKMPIVHRDLKSSNILVKNDLTCCLCDFGLSLRLDPT
 LSVDDLANSQVGTARYMAPEVLESRMNLENVESFKQTDVYSMALVLWEMTSRCN
 AVGEVKDYEPFSGKVRHPCVESMKDNVLRDRGRPEIPSWLNLHQQIQMVCETLT
 ECWDHDPEARLTAQCVAERFSELEHLDRLSGRSCSEEKIPEDGSLNNTTKSGPTRTR
 RLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TGFBR2 transforming growth factor beta receptor 2 [Homo sapiens (human)]
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;

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Gene ID 7048

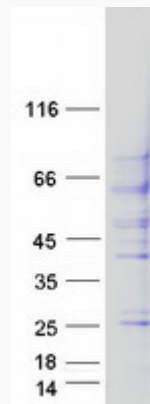
mRNA Refseq NM_003242

Protein Refseq NP_003233

MIM 190182

UniProt ID P37173

SDS-PAGE



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