

Recombinant Human TGFB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TGFB2-4439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TGFB2 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 DAASPKCIMKEKKKPGETFFMCSSDECNDNIIFSEEYNTSNPDLLLIVFQVTGISLL PPLGVAISVIIIIFYCYRVNRQQKLSSTWETGKTRKLMEFSEHCAIILEDDRSDISSTCA NNINHNTPELLIETDLVGKGRFAEVYKAKLKQNTSEQFETVAVKIFPYEEYASWKTE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

KDIFSDINLKHENILQFLTAEERKTELGKQYWLITAFHAKGNLQEYLTRHVISWEDLRK
 LGSSLARGIAHLHSDHTPCGRPKMPIVHRDLKSSNILVKNDLTCCLCDFGLSLRLDPT
 LSVDDLANSQGQVGTARYMAPEVLESRMNLENVESFKQTDVYSMALVLWEMTSRCN
 AVGEVKDYEPFPGSKVREHPCVESMKDNVLRDRGRPEIPSWLNLHQGIQMCETLT
 ECWDHDPEARLTAQCVAERFSELEHLDRLSGRSCSEEKIPEDGSLNTTKSGPTRTR
 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 **TGFB2** transforming growth factor beta receptor 2 [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;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene ID	7048
mRNA Refseq	NM_003242
Protein Refseq	NP_003233
MIM	190182
UniProt ID	P37173
SDS-PAGE	