

Recombinant Full Length Human TGFB2 Protein, C-Flag-tagged

Cat. No. TGFB2-909HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TGFB2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	62 kDa
AA Sequence	MGRGLLRGLWPLHIVLWTRIASTIPPHVQKSVNNDMIVTDNNGAVKFPQLCKFCDVR FSTCDNQKSCMSN CSITSICEKPQEVCAVWRKNDENITLETVCHDPKLPYHDFILE DAASPKCIMKEKKKPGETFFMCSCSS DECNDNIIFSEEYNTSNPDLLLIVIFQVTGISL LPPLGVAISVIIIIFYCYRVNRQQKLSSTWETGKTRKLM EFSEHCAIILEDSDISSTC

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ANNINHNTELLPIELDTLVGKGRFAEVYKAKLKQNTSEQFETVAVKIFP YEEYASWKT
 EKDIFSDINLKHENILQFLTAEERKTELGKQYWLITAFHAKGNLQEYLTRHVISWEDLR
 KL GSSLARGIAHLHSDHTPCGRPKMPIVHRDLKSSNILVKNDLTCCCLCDFGLSLRLD
 PTLSVDDLANSQVG TARYMAPEVLESRMNLENVESFKQTDVYSMALVLWEMTSR
 CNAVGEVKDYEPFPGSKVREHPCVESMKDN VLRDRGRPEIPSWLNLHQGIQMVCE
 TLTECWDHDPEARLTAQCVAERFSELEHLDRLSGRSCSEEKIPED
 GSLNTTKSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways	Adherens junction, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor interaction, Endocytosis, MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, TGF-beta signaling pathway
Full Length	Full L.

GENE INFORMATION

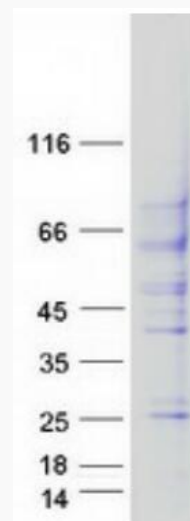
Gene Name [TGFR2 transforming growth factor beta receptor 2 \[Homo sapiens \(human\) \]](#)

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Official Symbol	TGFBR2
Synonyms	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR11; TBR-ii; TGFR-2; tbetaR-II; TGFbeta-R11
Gene ID	7048
mRNA Refseq	NM_003242.6
Protein Refseq	NP_003233.4
MIM	190182
UniProt ID	P37173



Coomassie blue staining of purified TGFBR2 protein.