

Recombinant Full Length Human TGFB3 Protein, C-Flag-tagged

Cat. No. TGFB3-1865HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TGFB3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Mutations in this gene are a cause of aortic aneurysms and dissections, as well as familial arrhythmogenic right ventricular dysplasia 1.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.7 kDa

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AA Sequence	MKMHLQRALVVLALLNFATVSLSLSTCTTLDFGHIKKRVEAIRGQILSKLRLTSPPEP TVMTHVPYQVL ALYNSTRELLEEMHGEREEGCTQENTESEYYAKEIHKFDMIQGLA EHNELAVCPKGITSKVFRFNVSSVE KNRTNLFRAEFRVL RVPNPSSKRNEQRIELFQ ILRPDEHIAKQRYIGGKNLPTRGTAEWLSFDVTDTVRE WLLRRESNLGLEISIHCPCH TFQPNGDILENIHEVMEIKFKGVDNEDDHGRGDLGRLKKQKDHHNPHLIL MMIPPHR LDNPGQGGQRKKRALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYYAN FCSGPCPY LRSADTTHTSTVLGLYNTLNPEASASPCCVPDLEPLTILYYVGRTPKVE QLSNMVVKSCKCS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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, Secreted Protein, Transmembrane
Protein Pathways	Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor interaction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma, TGF-beta signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name TGFB3 transforming growth factor beta 3 [Homo sapiens (human)]

Official Symbol TGFB3

Synonyms ARVD; LDS5; RNHF; ARVD1; TGF-beta3

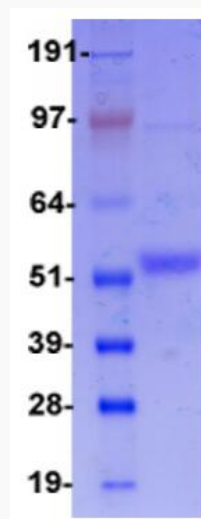
Gene ID 7043

mRNA Refseq NM_003239.5

Protein Refseq NP_003230.1

MIM 190230

UniProt ID P10600



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Coomassie blue staining of purified TGFB3 protein.

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