

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

Cat. No. TGFB2-1502HFL **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	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. Disruption of the TGF-beta/SMAD pathway has been implicated in a variety of human cancers. A chromosomal translocation that includes this gene is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. Mutations in this gene may be associated with Loeys-Dietz syndrome. This gene encodes multiple isoforms that may undergo similar proteolytic processing.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 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

Molecular Mass	47.6 kDa
AA Sequence	MHYCVLSAFLILHLVTVALSLSTCSTLDMDQFMRKRIEAIRGQILSKLKLTSPPEDYPE PEEVPPEVISI YNSTRDLLQEASRRRAAACERERSDEEYYAKEVYKIDMPPFFPSEN AIPPTFYRPFYFRIVRFDVSAMEKN ASNLVKAEFRVFRQLQNPKEVPEQRIELYQILKS KDLTSPTRQYIDSKVVKTRAEGEWLSFDVTDVHEW LHHKDRNLGFKISLHCPCT FVPSNNYIIPNKSEELERFAGIDGTSTYTSQDQKTIKSTRKKNSGKTPH LLLMLLPS YRLESQQTNRRKKRALDAAYCFRNVQDNCCLRPYIDFKRDLGWKWIHEPKGYN NFCAGAC PYLWSSDTQHSRVLSLYNTINPEASASPCCVSQDLEPLTILYYIGKTPKIEQLSNMIVK SCKCSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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 TGFB2 transforming growth factor beta 2 [Homo sapiens (human)]

Official Symbol TGFB2

Synonyms LDS4; G-TSF; TGF-beta2

Gene ID 7042

mRNA Refseq NM_003238.6

Protein Refseq NP_003229.1

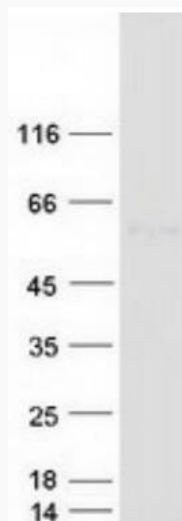
MIM 190220

UniProt ID P61812

 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



Coomassie blue staining of purified TGFB2 protein.

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