

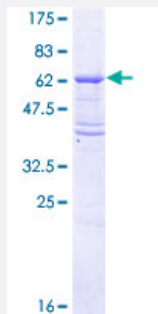
Full-Length

TGFB2 (Human) Recombinant Protein (P01)

Catalog # H00007048-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TGFB2 full-length ORF (AAH40499.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGRGLLRGLWPLHVLWTRIASTIPPHVQKSVNNDMMVTDNNGAVKFPQLCKFCDFRSTCDNQK
SCMSNCSITSICEKPQEVCAVVRKNDENITLTVCHDPKLPYHDFILEDASPCKIMKEKKKPGGE
TFFMCSCSSDECNDNIIFSEEYNTSNPDLLLVIFQVTGISLLPPLGVAISVIIIIFYCYRVNRQQLSSTW
ETGKTRKLMEFSEHCAILEDSDISSTCANNINHNTPELLDLVGKGRFAEVYKAKLKQNTSE
QFETVAVKIFPYEEYASWKTEKDIFSDINLKHENILQFLTAEERKTELKGQYWLITAFHAKGNLQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.48

Interspecies Antigen Sequence

Mouse (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TGFBR2

Entrez GeneID[7048](#)**GeneBank Accession#**[BC040499](#)**Protein Accession#**[AAH40499.1](#)**Gene Name**

TGFBR2

Gene Alias

AAT3, FAA3, LDS1B, LDS2B, MFS2, RIIC, TAAD2, TGFR-2, TGFbeta-RII

Gene Description

transforming growth factor, beta receptor II (70/80kDa)

Omim ID[133239](#) [154705](#) [190182](#) [608967](#) [609192](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. 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. [provided by RefSeq]

Other Designations

TGF-beta receptor type IIB|TGF-beta type II receptor|transforming growth factor beta receptor type IIC|transforming growth factor, beta receptor III|transforming growth factor, beta receptor II (70-80kD)

Pathway

- [Adherens junction](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Abnormalities](#)
- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Aortic Rupture](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Brief Psychiatric Rating Scale](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Dilatation](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Infant](#)
- [Intracranial Aneurysm](#)
- [Keloid](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Marfan syndrome](#)

- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Vitiligo](#)