

Recombinant Human TGFBR2, GST-tagged, Active

Cat. No. TGFBR2-444H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TGFbetaR2 (190-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 68 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	190-end a.a.
Description	TGFβR2 is a member of the TGFβ receptor subfamily and is a ser/thr protein kinase. TGFβR2-induced protein phosphorylation plays a key role in signal transduction that leads to mitogenic responses. The TGFβR2 receptor transmits signals from the cell surface to the nucleus and provides instructions for making transforming growth factor (TGF)-beta type II receptor. Mutations in TGFβR2 gene have been associated with Marfan Syndrome, Loays-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors.
Sequence	190-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

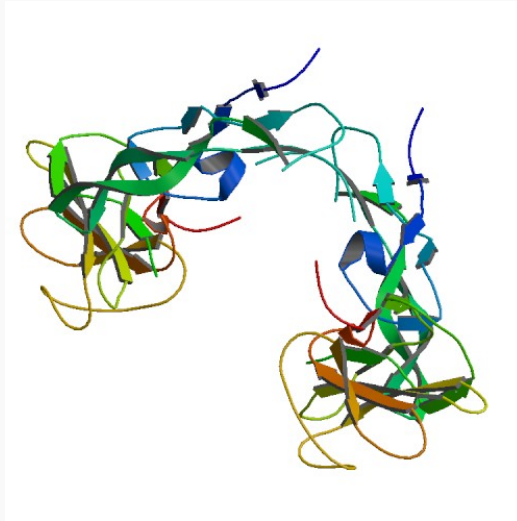
Gene Name	TGFBR2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens]
Synonyms	TGFBR2; transforming growth factor, beta receptor II (70/80kDa); AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor beta receptor type IIC; EC 2.7.11.30
Gene ID	7048
mRNA Refseq	NM_001024847
Protein Refseq	NP_001020018
MIM	190182
UniProt ID	P37173
Chromosome Location	3p22
Pathway	Adherens junction; Chronic myeloid leukemia; Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; MAPK signaling pathway; Pancreatic cancer; TGF-beta signaling pathway; Signaling by TGF beta
Function	ATP binding; SMAD binding; glycosaminoglycan binding; magnesium ion binding; manganese ion binding; protein heterodimerization activity; receptor activity; transferase activity; transforming growth factor beta binding; transforming growth factor beta receptor activity, type II; type I transforming growth factor beta receptor binding

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