

Recombinant Human TGFB β R2, GST-tagged, Active

Cat. No. TGFB β R2-444H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TGF β R2 (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	TGF β R2 is a member of the TGF β receptor subfamily and is a ser/thr protein kinase. TGF β R2-induced protein phosphorylation plays a key role in signal transduction that leads to mitogenic responses. The TGF β R2 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 TGF β R2 gene have been associated with Marfan Syndrome, Loeys-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

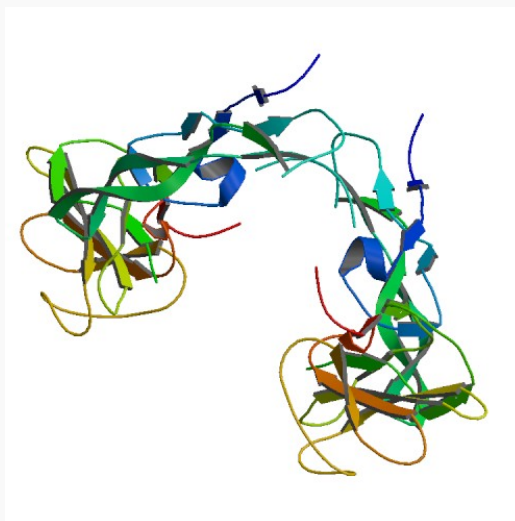
Gene Name	TGFB2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens]
Synonyms	TGFB2; transforming growth factor, beta receptor II (70/80kDa); AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth 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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