

Product datasheet for **TP726644**

Tgfb2 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse TGFBR2 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ile24-Asp184
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Mouse Transforming Growth Factor-beta Receptor Type II is produced by our Mammalian expression system and the target gene encoding Ile24-Asp184 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	21813
UniProt ID:	Q62312
Summary:	Transforming growth factor- β (TGF- β) is an essential regulator in the processes of development, cell proliferation, and extracellular matrix deposition. TGF- β regulates cellular processes by binding to three high-affinity cell surface receptors: TGF- β receptor type I (TGF- β -RI), TGF- β receptor type II (TGF- β -RII), and TGF- β receptor type III (TGF- β -RIII). TGF- β RII consists of a C-terminal protein kinase domain and an N-terminal ectodomain and belongs to transforming growth factor-beta (TGF- β) receptor subfamily. TGF- β RII has a protein kinase domain which can form a heterodimeric complex with another receptor protein and bind TGF-beta. This receptor/ligand complex phosphorylates protein will enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation.



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