

Datasheet for ABIN7320900
TGFBR2 Protein (Fc Tag)



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1 Image

Overview

Quantity:	50 µg
Target:	TGFBR2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Transforming Growth Factor-Beta Receptor Type II/TGFBR2 (C-Fc)
Sequence:	Ile24-Asp184
Characteristics:	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.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TGFBR2
Alternative Name:	Transforming Growth Factor-Beta Receptor Type II/TGFBR2 (TGFBR2 Products)
Background:	Background: 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

Target Details

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- $\beta\beta$ 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.

Synonym: TGF-beta receptor type-2, TGFR-2, TGF-beta type II receptor, Transforming growth factor-beta receptor type II, TGF-beta receptor type II, TbetaR-II, Tgfr2

Molecular Weight: 45 kDa

UniProt: [Q62312](#)

Application Details

Restrictions: For Research Use only

Handling

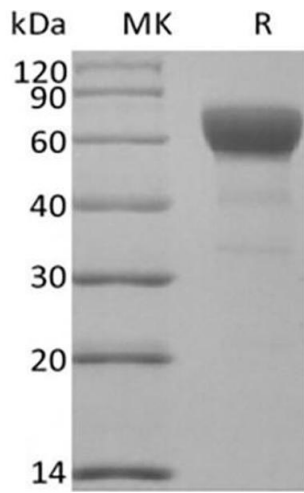
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.