

Recombinant Mouse TGFBR2 (C-6His)

Catalog #	EPT293
Expression Host	Human Cells
DESCRIPTION	Recombinant Mouse Transforming Growth
	Factor-beta Receptor Type II is produced by our
	Mammalian expression system and the target gene
	encoding Ile24-Asp159 is expressed with a 6His tag at
	the C-terminus.
Accession	Q62312-2
Synonyms	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; Tgfbr2
Mol Mass	16.2 KDa

AP Mol Mass 25-38 KDa, reducing conditions

 Purity
 Greater than 95% as determined by reducing

 SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH



+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com 23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPINGThe product is shipped at ambient temperature.Upon receipt, store it immediately at the temperaturelisted below.

STORAGELyophilized protein should be stored at < -20 ° C,
though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C
for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUNDTransforming 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



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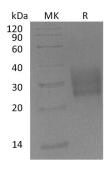
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type I (TGF- β -RI), TGF- β receptor type II (TGF- β -RII), and TGF- $\beta\beta$ receptor type III (TGF- β -RIII). TGF- β RII is consists of a C-terminal protein kinase domain and an N-terminal ectodomain and belongs to transforming growth factor-beta (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.



SDS-PAGE



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