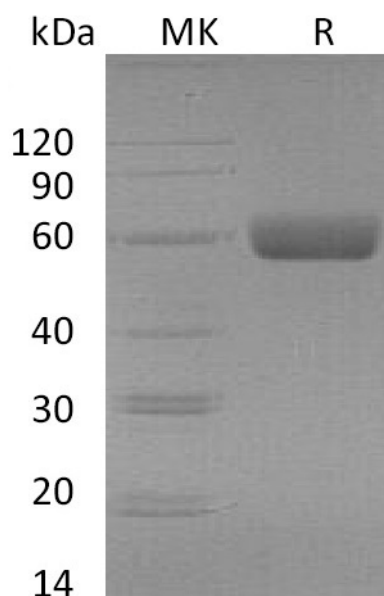


Summary

Name	TGFBR2/TGF-beta RII/TGF-beta receptor type-2/Transforming Growth Factor- β Receptor Type II (Ile24-Asp159)
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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 human IgG1 Fc tag at the C-terminus.
Accession #	Q62312-2
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	42.3 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

Product Name: Recombinant Mouse TGFBR2 (C-Fc)
Catalog #: PHM1711



Alternative Names

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

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 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 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.

Note

For Research Use Only , Not for Diagnostic Use.