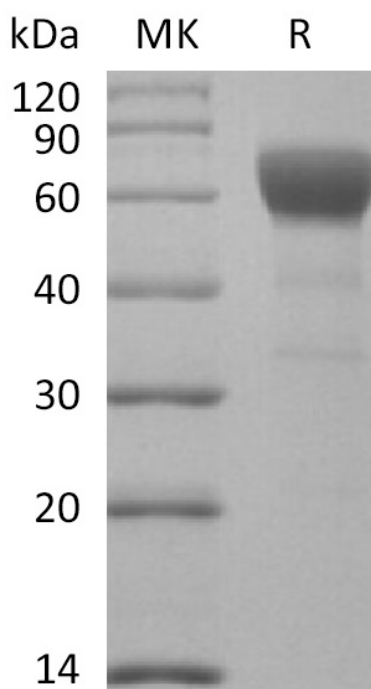


## Summary

|                                 |  |
|---------------------------------|--|
| <b>Name</b>                     | TGFBR2/TGF-beta RII/TGF-beta receptor type-2/Transforming Growth Factor- $\beta$ Receptor Type II (Ile24-Asp184)   |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE  |
| <b>Endotoxin level</b>          | <1 EU/ $\mu$ g as determined by LAL test.  |
| <b>Construction</b>             | 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 human IgG1 Fc tag at the C-terminus.   |
| <b>Accession #</b>              | Q62312   |
| <b>Host</b>                     | Human Cells  |
| <b>Species</b>                  | Mouse  |
| <b>Predicted Molecular Mass</b> | 45 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4.   |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.   |
| <b>Stability&amp;Storage</b>    | Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.   |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ 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 #: PHM2198**



### 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- $\beta$  (TGF- $\beta$ ) is an essential regulator in the processes of development, cell proliferation, and extracellular matrix deposition. TGF- $\beta$  regulates cellular processes by binding to three high-affinity cell surface receptors: TGF- $\beta$  receptor type I (TGF- $\beta$ -RI), TGF- $\beta$  receptor type II (TGF- $\beta$ -RII), and TGF- $\beta$  receptor type III (TGF- $\beta$ -RIII). TGF- $\beta$  RII consists of a C-terminal protein kinase domain and an N-terminal ectodomain and belongs to transforming growth factor-beta (TGF- $\beta$ ) receptor subfamily. TGF- $\beta$  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.