

## Product datasheet for **TP724831**

### Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant Mouse TGF-beta RII/TGFBR2 (C-Fc)  |
| Species:                              | Mouse   |
| Expression cDNA Clone or AA Sequence: | Ile24-Asp184  |
| Tag:                                  | C-hFc   |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4  |
| 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   |
| Summary:                              | Transforming growth factor-beta receptor type II (TGF- $\beta$ RII) contains a C-terminal protein kinase domain and an N-terminal ectodomain and is the member of the transforming growth factor-beta (TGF- $\beta$ ) receptor subfamily. TGF- $\beta$ RII is capable of binding TGF-beta 1, TGF-beta 3, and TGF-beta 5 with sufficient affinity to act as an inhibitor of these isoforms at high concentrations. TGF- $\beta$ RII has a protein kinase domain that forms a heterodimeric complex with another receptor protein and bind TGF-beta. This receptor/ligand complex phosphorylates protein can enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. |



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