

## Product datasheet for **TP727336**

### Tgfb2 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Transforming Growth Factor $\beta$ -2/TGF $\beta$ 2/TGFB2
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala303-Ser414
Buffer:	Lyophilized from a 0.2 um filtered solution of 4mM HCl.
Note:	Recombinant Mouse Transforming Growth Factor beta 2 is produced by our Mammalian expression system and the target gene encoding Ala303-Ser414 is expressed.
Stability:	12 months from date of despatch
Locus ID:	21808
UniProt ID:	<a href="#">P27090</a>
Summary:	Transforming growth factor beta 2 (TGF- $\beta$ 2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- $\beta$ 2 gene deletion show defects in development of cardiac, lung, craniofacial, limb, spinal column, eye, inner ear and urogenital systems. All TGF- $\beta$ isoforms signal via the same heteromeric receptor complex, consisting of a ligand binding TGF- $\beta$ receptor type II (T $\beta$ R-II), and a TGF- $\beta$ receptor type I (T $\beta$ R-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF- $\beta$ expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.



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