

## 32-8604: Recombinant Mouse Transforming Growth Factor beta-2/TGF beta2/TGFB2

**Gene :** Tgfb2  
**Gene ID :** 21808  
**Uniprot ID :** P27090

### Description

Source: Human Cells.  
MW :12.7kD.

Recombinant Mouse Transforming Growth Factor beta 2 is produced by our Mammalian expression system and the target gene encoding Ala303-Ser414 is expressed. Transforming growth factor beta 2 (TGF- beta2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- beta2 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 betaR-II), and a TGF- beta receptor type I (T betaR-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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.  
**Storage condition :** Lyophilized 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.  
**Amino Acid :** ALDAAYCFRNVQDNCCLRPLYIDFKRDLGWKWIHEPKGYNANFCAGACPYLWSSDTQHTKVLSLYNTINPEAS  
ASPCCVSQDLEPLTILYIGNTPKIEQLSNMIVKSCKCS

### Application Note

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