

## 32-8519: Recombinant Human Transforming Growth Factor beta-3/TGFB3

**Gene :** TGFB3  
**Gene ID :** 7043  
**Uniprot ID :** P10600

### Description

Source: Human Cells.

MW :12.7kD.

Recombinant Human/Mouse Transforming Growth Factor beta 3 is produced by our Mammalian expression system and the target gene encoding Ala301-Ser412(Tyr340Phe) is expressed. Transforming growth factor beta 3(TGFB3) is a member of a TGF - beta superfamily which is defined by their structural and functional similarities. TGFB3 is secreted as a complex with LAP. This latent form of TGFB3 becomes active upon cleavage by plasmin, matrix metalloproteases, thrombospondin -1, and a subset of integrins. It binds with high affinity to TGF- beta RII, a type II serine/threonine kinase receptor. TGFB3 is involved in cell differentiation, embryogenesis and development. It is believed to regulate molecules involved in cellular adhesion and extracellular matrix (ECM) formation during the process of palate development. Without TGF- beta3, mammals develop a deformity known as a cleft palate.

### 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 :** ALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYFANFCSGPCPYLRSADTTHTSTVLGLYNTLNPEAS  
ASPCCVQDLEPLTILYVGRTPKVEQLSNMVKCKCS

### Application Note

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