

## Product datasheet for **TP726649**

### Tgfb3 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse TGFBR3 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Glu23-Thr785
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse Transforming Growth Factor Beta Receptor Type 3 is produced by our Mammalian expression system and the target gene encoding Glu23-Thr785 is expressed with a 6His tag at the C-terminus.
Storage:	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.
Stability:	12 months from date of despatch
Locus ID:	21814
UniProt ID:	<a href="#">O88393</a>
Synonyms:	BGCAN; TBRIII; TGF-beta receptor type 3; TGF-beta receptor type III; TGF-beta RIII; TGFbetaRIII; TGFBR3; TGF-bRIII; TGFR-3; Transforming growth factor beta receptor III
Summary:	Transforming growth factor beta receptor III (TGF-beta RIII; also betaglycan) is a ubiquitously expressed, 280 kDa type I transmembrane proteoglycan member of the TGF-beta superfamily of proteins. This receptor is a membrane proteoglycan that often functions as a co-receptor with other TGF-beta receptor superfamily members. TGF-beta RIII can enhance or inhibit cell signaling. TGF-beta RIII has been shown to play an essential role in the formation of the atrioventricular cushion and coronary vessels during development of the heart. TGF beta RIII also plays a role in many cancers. Increased expression of TGF beta RIII is found in higher grade lymphomas, and reduced expression of TGF beta RIII is found with advanced stage neuroblastomas and ovarian carcinomas. Low TGF-beta RIII expression also correlates with higher grade among a cohort of breast cancers. TGFBR3 is known to be expressed in adult testis and ovary, but little is known about this receptor during gonadogenesis.



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