

Product Name: Recombinant Mouse TGFBR3 (C-6His)
Catalog #: PHM2206

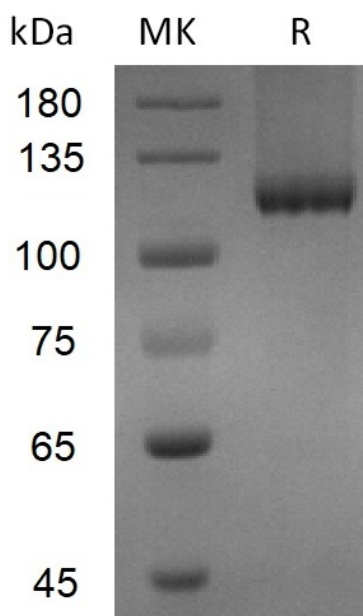


Summary

Name	TGFBR3/Transforming growth factor beta receptor type 3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Transforming Growth Factor Beta Receptor Type 3 is produced by our Mammalian expression system and the target gene encoding Gly23-Thr785 is expressed with a 6His tag at the C-terminus.
Accession #	A0A0R4J097
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	85.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.