

Recombinant Mouse TGFBR3 (C-6His)

Catalog Number:PKSM041420



Note: Centrifuge before opening to ensure complete recovery of vial contents.

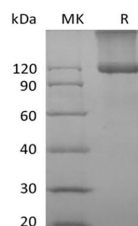
Description

Synonyms	InBGCAN;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
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu23-Thr785
Accession	A0A0R4J097
Calculated Molecular Weight	85.9 kDa
Observed molecular weight	110-125 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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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

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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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