Recombinant Mouse Tgfbr1 Protein, Myc/DDK-tagged

Cat. No. Tgfbr1-6392M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transforming growth factor, beta receptor I (Tgfbr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the transforming growth factor beta (TGF-beta) receptor family of proteins. These proteins comprise one component of the TGF-beta signaling pathway, which transduces extracellular signals into gene expression changes to regulate a wide range of cellular responses, including proliferation, migration, differentiation and apoptosis. Homozygous knockout mice for this gene exhibit impaired angiogenesis and embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]
Molecular Mass	56.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Tgfbr1 transforming growth factor, beta receptor I [Mus musculus (house mouse)]
Official Symbol	Tgfbr1
Synonyms	TGFBR1; transforming growth factor, beta receptor I; TGF-beta receptor type-1; ESK2; TGFR-1; TGF-beta receptor type I; transforming growth factor-beta receptor type I; ALK5; Alk-5; TbetaRI; AU017191; TbetaR-I
Gene ID	21812
mRNA Refseq	NM_009370
Protein Refseq	NP_033396
UniProt ID	Q64729

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