

Recombinant Mouse Tgfb2 Protein, Myc/DDK-tagged

Cat. No. Tgfb2-6389M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transforming growth factor, beta 2 (cDNA clone MGC:7998 IMAGE:3585774), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. Mice lacking a functional copy of this gene display developmental defects in multiple organs and perinatal lethality. Heterozygous mutant mice exhibit aortic root aneurysm. This gene encodes multiple isoforms that may undergo similar proteolytic processing.
Molecular Mass	29.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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

GENE INFORMATION

Gene Name	Tgfb2 transforming growth factor, beta 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tgfb2
Synonyms	Tgfb2; transforming growth factor, beta 2; Tgfb-2; BB105277; Tgf-beta; Tgf-beta2; transforming growth factor beta-2 proprotein
Gene ID	21808
mRNA Refseq	NM_009367
Protein Refseq	NP_033393
UniProt ID	P27090

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