

Recombinant Mouse Tgfb3 Protein, Myc/DDK-tagged

Cat. No. Tgfb3-6390M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transforming growth factor, beta 3 (Tgfb3), 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. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Homozygous knockout mice for this gene exhibit cleft palate, delayed pulmonary development and neonatal death. [provided by RefSeq, Aug 2016]
Molecular Mass	47.1 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

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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 Tgfb3 transforming growth factor, beta 3 [Mus musculus (house mouse)]

Official Symbol Tgfb3

Synonyms TGFB3; transforming growth factor, beta 3; transforming growth factor beta-3; TGF-beta-3; Tgfb-3; MGC118722

Gene ID 21809

mRNA Refseq NM_009368

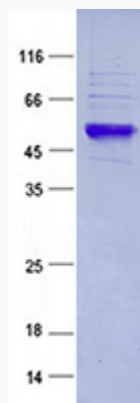
Protein Refseq NP_033394

UniProt ID Q3TRQ9

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SDS-PAGE

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