Active Recombinant Human/Mouse TGFB3 Protein

Cat. No. TGFB3-248H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Mouse TGFB3 Protein without tag was expressed in E. coli.
Species	Human/Mouse
Source	E.coli
Description	Transforming growth factors (TGFs) are multifunctional peptides that regulate growth and differentiation in most cell types. The TGF-β family of proteins signal through serine/threonine kinase receptors. TGF-β isoforms (TGF-β1, -β2, and –β3) have overlapping, yet distinct biological actions in developing and adult tissues. TGF-β3 is an important factor in regulating cell adhesion and accelerating wound repair. TGF-β3 also functions during osteoblast proliferation, chemotaxis, and collagen synthesis.
Bio-activity	Inhibition of IL-4-induced HT-2 cell proliferation, ED50≤1 ng/mL
Molecular Mass	Dimer, 12.9/25.7 kDa (113/226 aa)
AA Sequence	MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWVHEPKGYYANFCSGPCPYLRSA DTTHSTVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVVKSCKC S
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution.

GENE INFORMATION

Gene Name	TGFB3 transforming growth factor, beta 3 [Homo sapiens (human)]
Official Symbol	TGFB3
Synonyms	TGFB3; transforming growth factor, beta 3; transforming growth factor beta-3; TGF-beta-3; ARVD; TGF-beta3; FLJ16571;
Gene ID	7043
mRNA Refseq	NM_003239

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Protein Refseq	NP_003230
MIM	190230
UniProt ID	P10600

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