

Active Recombinant Human/Mouse TGFB3 Protein

Cat. No. TGFB3-245H 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- β 1, - β 2, and - β 3) have overlapping, yet distinct biological actions in developing and adult tissues. TGF- β 3 is an important factor in regulating cell adhesion and accelerating wound repair. TGF- β 3 also functions during osteoblast proliferation, chemotaxis, and collagen synthesis.
Bio-activity	Inhibition of IL-4-induced HT-2 cell proliferation, ≤ 1 ng/mL
Molecular Mass	Dimer, 12.9/25.7 kDa (113/226 aa)
AA Sequence	MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYLRSA DTTHSTVLGLYNTLNPEASASPCCVQDLEPLTILYYVGRTPKVEQLSNMVVKSCCK S
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at 4 centigrade as supplied.
Storage	Storage: Centrifuge vial before opening. DO NOT VORTEX. Store at 4 centigrade.
Concentration	0.25 mg/mL
Storage Buffer	In solution: 10 mM acetic acid and 20% Ethanol
Shipping	Ice pack

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
Protein Refseq	NP_003230
MIM	190230
UniProt ID	P10600

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