

## TGFB3

### Recombinant Human/Mouse TGF-beta 3 (Lyophilized)

<b>Catalog No.</b>	CRH333A CRH333B CRH333C CRH333D	<b>Quantity:</b>	2 µg 10 µg 1 mg 100 µg
<b>Alternate Names:</b>	TGF-beta 3, ARVD, ARVD1		
<b>Gene ID:</b>	7043 human proprotein 21809 mouse proprotein		
<b>UniProt ID:</b>	P10600 human proprotein P17125 mouse proprotein		
<b>Description:</b>	<p>The Transforming Growth Factors (TGFs) are multifunctional peptides that regulate growth and differentiation in a variety of cells. Recent data suggests that individual TGF-beta isoforms (TGF-beta1, -beta2 and -beta3) have overlapping, yet distinct biological actions and target cell specificities, both in developing and adult tissues. TGF-beta3 is a new isoform that is presumed to play an important role in wound repair and scarring. TGF-beta3 is also thought to be involved in osteoblast proliferation, chemotaxis, and collagen synthesis.</p> <p>Human and mouse TGF-β3 have 100% sequence identity.</p>		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	12.9/25.7 kDa (113/226 aa), dimer		
<b>Formulation:</b>	Lyophilized from a sterile-filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
<b>Purity:</b>	≥ 95% by reducing and nonreducing SDS PAGE		
<b>Endotoxin Level:</b>	≤ 1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 1 ng/mL, determined by the dose-dependent inhibition of IL-4-induced proliferation from mouse HT-2 cells.		
<b>Specific Activity:</b>	≥ 1 x 10 <sup>6</sup> U/mg		
<b>Amino Acid Sequence:</b>	MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKGY YANFCSGPCP YLRSA DTTHS TVLG LYLNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE QLSNMVVKSC KCS		
<b>Reconstitution:</b>	<p><b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial.</p> <p><b>DO NOT VORTEX.</b> Allow several minutes for reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution.</p>		
<b>Storage &amp; Stability:</b>	<p>Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.</p> <p><b>Avoid repeated freeze-thaw cycles.</b></p>		

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