

CTGF

Recombinant Human Connective Tissue Growth Factor (98 aa)

Catalog No.	CRC604A	Quantity:	5 µg
	CRC604B		20 µg
	CRC604C		1.0 mg
	CRC604D		100 µg
Alternate Names:	CTGF, CCN2, CTGRP, Fisp12, HCS24, IGFBP8, NOV2		
Description:	Connective Tissue Growth Factor (CTGF) is a member of cysteine rich regulatory proteins that are both mitogenic and chemotactic. Each protein has an Insulin-like Growth Factor (IGF)-binding domain, a thrombospondin type 1 domain and cysteine knot region. CTGF has multiple effects on development and differentiation. Recombinant human CTGF is a non-glycosylated protein, containing 98 amino acids.		
Physical Appearance:	Sterile filtered white lyophilized (freeze-dried) powder.		
Gene ID:	1490		
Protein Accession No:	P29279		
Source:	<i>E. coli</i>		
Molecular Weight:	11.2 kDa		
Formulation:	Recombinant human CTGF is lyophilized from 1.0 mg/mL 10 mM NaOAc (sodium acetate), pH 6.0		
Purity:	> 98.0% as determined by Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm		
Endotoxin Level:	Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein.		
Biological Activity:	The activity is determined by the dose-dependent stimulation of HUVEC proliferation and is typically 1-2 µg/mL.		
Amino Acid Sequence:	MGKKCIRTPK ISKPIKFELS GCTSMKTYRA KFCGVCTDGR CCTPHRTTTL PVEFKCPDGE VMKKNMMFIK TCACHYNCPG DNDIFESLYY RKMVGDMA		
Reconstitution:	Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product at a concentration of 0.1 mg/mL with 5 mM NaOAc (sodium acetate), pH 6.0.		
Storage & Stability:	Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage. Avoid repeated freeze-thaw cycles.		

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