

CTGF

Recombinant Human Connective Tissue Growth Factor His-Tagged

Catalog No.	CRC022A CRC022B CRC022C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	CCN2, NOV2, HCS24, IGFBP8, MGC102839, CTGF, Connective Tissue Growth Factor.		
Description:	<p>Connective Tissue Growth Factor belongs to the CCN family of proteins. The CCN family presently consists of six members in human also known as: Cyr61 (Cystein rich 61), CTGF (Connective Tissue Growth Factor).</p> <p>The Connective Tissue Growth Factor His-Tagged Fusion Protein, produced in <i>E. coli</i>, is 38.3 kDa protein containing 323 amino acid residues of the CTGF human and 23 additional amino acid residues - HisTag, Xa - cleavage site (underlined).</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	38.3 kDa		
Formulation:	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.		
Purity:	Purity of Connective Tissue Growth Factor is greater than 95% as determined by SDS-PAGE.		
Amino Acid Sequence:	MGHHHHHHHH HHSSGHIEGR HMRQNCSGPC RCPDEPAPRC PAGVSLVLDG CGCCRVCAKQ LGELCTERDPCDPHKGLFCD FGSPANRKIG VCTAKDGAPC IFGGTVYRSG ESFQSSCKYQ CTCLDGAVGC MPLCSMDVRLPSPDCPFPRR VKLPGKCCEE WWCDEPKDQT VVGPALAAYR LEDTFGPDPT MIRANCLVQT TEWSACSKTCGMGISTRVTN DNASCRLKQ SRLCMVRPCE ADLEENIKKG KKCIRTPKIS KPIKFELSGC TSMKTYRAKF CGVCTDGRCCPHRTTTLPV EFKCPDGEVM KKNMMFIKTC ACHYNCPGDN DIFESLYYRK MYGDMA.		
Reconstitution:	It is recommended to add 0.1M Acetate buffer pH-4.0 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For pH-8.0 buffer conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml.		
Storage & Stability:	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized CTGF remains stable until the expiry date when stored at -20°C.		

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