

CTGF

Recombinant Human Connective Tissue Growth Factor His

Catalog No.	CRC022A CRC022B CRC022C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	CCN2, NOV2, HCS24, IGFBP8, CTGF		
Description:	<p>Connective Tissue Growth Factor belongs to the CCN family of proteins, which consists of six members in humans: Cyr61 (Cystein rich 61), CTGF (Connective Tissue Growth Factor), Nov (Nephroblastoma Overexpressed gene), WISP-1, 2 and 3 (Wnt-1 Induced Secreted Proteins). The CCN genes encode secreted proteins associated with the Extracellular Matrix (ECM) and cell membrane. CCN proteins are matricellular proteins that are involved in the regulation of various cellular functions including: proliferation, differentiation, survival, adhesion, and migration.</p> <p>Recombinant Human Connective Tissue Growth Factor His-tagged contains 323 amino acid residues of the CTGF protein and 23 additional amino acid residues - HisTag, Xa - cleavage site</p>		
GeneID:	1490		
Source:	<i>E. coli</i>		
Molecular Weight:	38.3 kDa		
Formulation:	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05 M Acetate buffer, pH-4, + 4% Mannitol + 1% Sucrose.		
Purity:	>95% as determined by SDS-PAGE.		
Amino Acid Sequence:	<p><u>MGHHHHHHHH</u> HHSSGHIEGR HMRQNCSGPC RCPDEPAPRC PAGVSLVLDG CGCCRVCAKQ LGELCTERDPCDPHKGLFCD FGSPANRKIG VCTAKDGAPC IFGGTVYRSG ESFQSSCKYQ CTCLDGAVGC MPLCSMDVRLPSPDCPFPRR VKLPGKCCEE WVCDEPKDQT VVGPALAAYR LEDTFGPDPT MIRANCLVQT TEWSACSKTCGMGISTRVTN DNASCRLKQ SRLCMVRPCE ADLEENIKKG KKCIRTPKIS KPIKFELSGC TSMKTYRAKF CGVCTDGRCCTPHRTTTLPV EFKCPDGEVM KKNMMFIKTC ACHYNCPGDN DIFESLYYRK MYGDMA</p>		
Reconstitution:	<p>Centrifuge vial prior to opening. It is recommended to add 0.1 M Acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.</p>		
Storage & Stability:	<p>Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 2-4°C for a limited period of time; it does not show any change after two weeks at 2-4°C.</p>		

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