

## Recombinant Human CTGF, Fc-tagged

**Cat. No.** CTGF-2606H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CTGF is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln27-Ala349 ) of Human CTGF fused with a FC tag at the C-terminus.                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 27-349 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis.                                                                 |
| <b>Form</b>             | Lyophilized from a 0.2 µM filtered solution of PBS,pH 7.4                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | QNCSGPCRCPPDEPAPRCPPAGVSLVLDGCGCCRVCAKQLGELCTERDPCDPHKGLF<br>CDFGSPANRK IGVCTAKDGAPCIFGGTVYRSGESFQSSCKYQCTCLDGAVGCMPL<br>CSMDVRLPSPDCPFPRRVKL PGKCCEEWVCDEPKDQTVVGPALAAAYRLEDTFGPD<br>PTMIRANCLVQTTEWSACSKTCGMGISTRV TNDNASCRLEKQSRLCMVRPCEADL<br>EENIKKGKKCIRTPIKSKPIKFELSGCTSMKTYRAKFCGV CTDGRCTPHRTTTLTPVE<br>FKCPDGEVMKKNNMMFIKTCACHYNCPGDNDIFESLYYRKMYGDMAVD DIEGRMDE<br>PKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEV |

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KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL  
 PAPIEKTISK AKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG  
 QPENNYKTTTPVLDSGGS FFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS  
 LSLSPGK

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>Endotoxin</b> | Less than 0.1 ng/g (1 IEU/g).                                     |
| <b>Purity</b>    | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |
| <b>Shipping</b>  | The product is shipped at ambient temperature.                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CTGF connective tissue growth factor [ Homo sapiens ]                                                                                                                                                                                     |
| <b>Official Symbol</b> | CTGF                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | CTGF; connective tissue growth factor; IGFBP8, CCN2; NOV2; HCS24; MGC102839; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8; OTTHUMP00000017213; Hypertrophic chondrocyte-specific protein 24 |
| <b>Gene ID</b>         | 1490                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_001901                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001892                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 121009                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | P29279                                                                                                                                                                                                                                    |

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|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 6q23.1                                                                                                            |
| <b>Pathway</b>             | Fatty acid, triacylglycerol, and ketone body metabolism; Hippo signaling pathway; PPARA activates gene expression |
| <b>Function</b>            | growth factor activity; heparin binding; insulin-like growth factor binding; integrin binding; protein binding    |

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