

Recombinant Human CTGF, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	27-349 a.a.
Description	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.
Form	Lyophilized from a 0.2 μM filtered solution of PBS,pH 7.4
AA Sequence	<p>QNCSGPCRCPPDEPAPRCPAGVSLVLDGCGCCRVCAKQLGELCTERDPCDPHKGLF CDFGSPANRK IGVCTAKDGAPCIFGGTVYRSGESFQSSCKYQCTCLDGAVGCMPL CSMDVRLPSPDCPFRRVVKL PGKCC EEWVCDEPKDQTVVGPALAAAYRLEDTFGPD PTMIRANCLVQTTEWSACSKTCGMGISTRV TNDNASCRLEKQSRLCMVRPCEADL EENIKKGGKCI RTPKISKPIKFELSGCTSMKTYRAKFCGV CTDGRCCTPHRTTTL PVE FKCPDGEVMKKNNMMFIKTCACHYNCPGDNDIFESLYYRKM YGDMAVD DIEGRMDE PKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEV</p>

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KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL
PAPIEKTISK AKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG
QPENNYKTTPPVLDSDGS FFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKS
LSLSPGK

Endotoxin Less than 0.1 ng/g (1 IEU/g).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Shipping The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name [CTGF connective tissue growth factor \[Homo sapiens \]](#)

Official Symbol CTGF

Synonyms 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

Gene ID [1490](#)

mRNA Refseq [NM_001901](#)

Protein Refseq [NP_001892](#)

MIM [121009](#)

UniProt ID P29279

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

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