

Recombinant Human CTGF, His-tagged

Cat. No. CTGF-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CTGF, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	27-349aa
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	Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol
Molecular Mass	37.7kDa (344aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MQNCSGPCRC PDEPAPRCPA GVSLVLDGCG CCRVCAKQLG ELCTERDPCD PHKGLFCDFG SPANRKIGVCTAKDGAPCIF GGTVYRSGES FQSSCKYQCT CLDGAVGCMP LCSMDVRLPS PDCPFPRRVK LPGKCCEEWV CDEPKDQTVV GPALAAAYRLEDTFGPDPTMI RANCLVQTTE WSACSKTCGM GISTRVTNDN ASCRLEKQSR LCMVRPCEAD LEENIKKGKK CIRTPKISKP IKFELSGCTSMKTYRAKFCG VCTDGRCTP HRTTTLPVEF KCPDGEVMKK NMMFIKTCAC HYNCPGDNDI FESLYYRKMV GDMA

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Purity	> 85% by SDS - PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by BCA assay)
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
Chromosome Location	6q23.1
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism; Hippo signaling pathway; PPARA activates gene expression

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Function

growth factor activity; heparin binding; insulin-like growth factor binding; integrin binding; protein binding

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