

Recombinant Human CTGF Protein, Full Length

Cat. No. CTGF-20HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTGF Protein (Full Length) without tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	Full Length
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.
Bio-activity	Measured by its ability to mediate Balb/3T3 mouse embryonic fibroblast cell adhesion. The ED50 for this effect is 1.5-7.5 µg/mL.
Molecular Mass	Predicted Molecular Mass: 35 kDa SDS-PAGE: 35-45 kDa, reducing conditions
Endotoxin	<0.10 EU/µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.

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N-terminal Sequence Analysis	No results obtained. Gln27 inferred from enzymatic pyroglutamate treatment revealing Asn28
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
References	1. Hall-Glenn, F. and K.M. Lyons (2011) Cell. Mol. Life Sci. 68:3209. 2. Bradham, D.M. et al. (1991) J. Cell Biol. 114:1285. 3. Gao, R. and D.R. Brigstock (2004) J. Biol. Chem. 279:8848.

GENE INFORMATION

Gene Name	CCN2 cellular communication network factor 2 [Homo sapiens (human)]
Official Symbol	CCN2
Synonyms	CCN2; cellular communication network factor 2; CTGF; NOV2; HCS24; IBP-8; IGFBP8; CCN family member 2; IGF-binding protein 8; connective tissue growth factor; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8
Gene ID	1490

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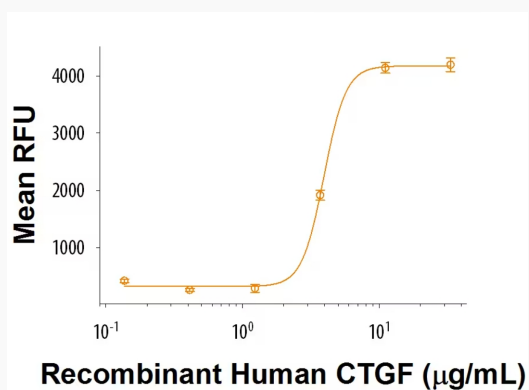
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mRNA Refseq [NM_001901](#)

Protein Refseq [NP_001892](#)

MIM [121009](#)

UniProt ID [Q5M8T4](#)



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