



# Recombinant Human CTGFL/WISP-2

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-147S</b>
<b>Size:</b>	5 µg
<b>Lot. No.:</b>	According to product label

## Scientific Background

<b>Gene-ID (NCBI):</b>	8839
<b>Synonyms:</b>	WISP2; CCN5; CT58; CTGF-L

CTGFL/WISP-2 is a 28.6 kDa protein that belongs to the CCN family of cysteine rich regulatory proteins. Members of this family stimulate mitosis, adhesion, apoptosis, extracellular matrix production, growth arrest, and migration of multiple cell types. The protein is expressed in primary osteoblasts, fibroblasts, ovary, testes, and heart. In addition to promoting adhesion of osteoblasts, CTGFL/WISP-2 inhibits osteocalcin production, as well as binding of fibrinogen to integrin receptors. Recombinant human CTGFL/WISP-2 is a 24.8 kDa protein of 228 amino acid residues.

## Sequence

```
MQLCPTPCTC PWPPPRCPLG VPLVLDGCGC CRVCARRLGE  
PCDQLHVCD A SQGLVCQPGA GPGGRGALCL LAEDDSSCEV  
NGRLYREGET FQPHCSIRCR CEDGGFTCVPL LCSEDEVRLPS  
WDCPHPRRVE VLKCCPEWV CGQGGGLGTQ PLPAQGFQFS  
GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNR  
CRLETQRRLL LSRPCPPSRG RSPQNSAF
```

## Database References

<b>Protein RefSeq:</b>	NP_003872
<b>Uniprot ID:</b>	O76076
<b>mRNA RefSeq:</b>	NM_003881

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 95% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	228
<b>MW:</b>	24.3 kDa

**Biological Activity:** The ED50 was determined by its ability to inhibit IGF-II induced proliferation of MCF-7 is between 10-20 ng/ml in the presence of 15 ng/ml of human IGF-II.



**AVOID REPEATED FREEZE AND THAW CYCLES!**