

32-20065: Recombinant Human CTGFL/WISP-2(Discontinued)

Reactivity : mouse

Alternative Name : Connective Tissue Growth Factor-Like protein, CCN5, CT-58

Description

Source: **E.coli** 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, the ovaries, 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 24.3 kDa protein consisting of 228 amino acid residues. Mature human CTGFL/WISP-2 is a 24.8 kDa polypeptide protein containing 227 amino acids. It is composed of 3 distinct domains; the IGF-Binding Protein domain (IGF-BP), the Thrombospondin type I repeat (TSP type I), and von Willebrand Factor C motif (VWFC).

Product Info

Amount : 5 µg / 20 µg

Purification : Purity: $\geq 95\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MQLCPTPCTC PWPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA
GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVPLCSQEDVRLPS WDCPHPRRVE
VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM
ATRVSNQNRFCRLETQRRLC LSRPCPPSRG RSPQNSAF

Application Note

The ED_{50} 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.