Recombinant Human WNT1 Inducible Signaling Pathway Protein 2

Cat. No. WISP2-932H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CTGFL/WISP-2 produced in*E.coli*is a 24.8 kDa protein of 228 amino acid residues.
Species	Human
Source	E.coli
Description	CTGFL/WISP-2 is a 24.3 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.
Purity	> 95% by SDS-PAGE and HPLC analysis.
Endotoxin level	< 0.1 ng per μg of CTGFL/WISP-2
Stabilizer	None.
Formulation	Lyophilized.
Biologically 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.

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Reconstitution	The human CTGFL/WISP-2 should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.
Stability	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted human CTGFL/WISP-2 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	WISP2 WNT1 inducible signaling pathway protein 2 [Homo sapiens]
Synonyms	WISP2; WNT1 inducible signaling pathway protein 2; CCN5; CT58; CTGF-L; OTTHUMP00000063227; wnt-1 signaling pathway protein 2; connective tissue growth factor-like protein; WNT1-inducible-signaling pathway protein 2; WISP-2; Connective tissue growth factor-related protein 58; OTTHUMP00000031770
Gene ID	8839
mRNA Refseq	NM_003881
Protein Refseq	NP_003872
MIM	603399
UniProt ID	O76076
Chromosome Location	20q13.12
Function	insulin-like growth factor binding; protein binding

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