

Active Recombinant Human WNT1 Inducible Signaling Pathway Protein 2

Cat. No. WISP2-644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WISP2 was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
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
Form	Supplied lyophilized with no additives. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not raise to neutral pH.
Purity	>95% pure by SDS PAGE and HPLC
Sequence	Region of CTGFL protein corresponding to amino acids MQLCPTPCTC PWPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCV LCSEDEVRLPS WDCPHRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCST

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Molecular Mass	24.3 kDa
Applications	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Bioactivity	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.
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	WISP2 WNT1 inducible signaling pathway protein 2 [Homo sapiens]
Official Symbol	WISP2
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

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UniProt ID	O76076
Chromosome Location	20q13.12
Function	insulin-like growth factor binding; protein binding

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