WISP2
Recombinant Human WISP-2 / CTGF-L, Animal Free

Catalog No.	CRC603A-AF	**Quantity:**	5 µg
	CRC603B-AF		20 µg
	CRC603C-AF		1.0 mg

Alternate Names: WNT1-inducible-signaling pathway protein 2, Connective tissue growth factor-like protein, CTGF-L, CCN family member 5

Description: WNT1-inducible-signaling pathway protein 2 (WISP-2) is a member of the CYR61/CTGF/NOV (CCN) family of regulatory factors. WISP-2 is expressed in ectodermal, mesodermal, and endodermal lineages, including primary osteoblasts, fibroblasts, mesenchymal stem cells, and adipogenic precursor cells. WISP-2 is a canonical WNT ligand that regulates cell proliferation, adhesion, and metastasis. Secreted WISP-2 promotes mesenchymal precursor cell proliferation and maintains them in an undifferentiated state. In bone-forming osteoblasts, WISP-2 promotes osteoblast adhesion and inhibits osteocalcin production.
This product is produced with no animal-derived raw materials. All processing and handling employs animal-free equipment and animal-free protocols.

UniProt ID: O76076

Gene ID: 8839

Source: *E. coli*

Molecular Weight: 24.8 kDa (228 aa) monomer

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: < 1 EU/µg by kinetic LAL

Amino Acid Sequence: MQLCPTPCTC PWPPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVP LCSEDVRLPS WDCPHPRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNRF CRLETQRRLC LSRPCPPSRG RSPQNSAF

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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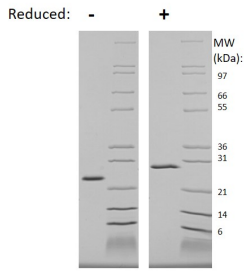

Human WISP-2 / CTGF-L Gel
Figure: 1 ug run under (-) non-reducing and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human WISP-2 is predicted to have a MW of 24.4 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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