

32-12340: Human WNT1-inducible-signaling pathway protein-2

Gene : WISP2
Gene ID : 8839
Uniprot ID : O76076

Alternative Name : WNT1-inducible-signaling pathway protein 2, CCN family member 5, Connective tissue growth factor-like protein, Connective tissue growth factor-related protein 58

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 24.4 kDa (228 aa)

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.

Product Info

Amount : 20 µg / 100 µg

Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$

Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Sterile 10 mM acetic acid at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : MQLCPTPCTC PWPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA
GPGGREGALCL LAEDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVLP LCEDEVRLPS WDCPHPRRVE
VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPQGV PCPEWSTAWG PCSTTCGLGM
ATRVSNQNRFCRLETQRRCLSRPCPPSRGRSPQNSAF

Application Note

Endotoxin: Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

