

Active Recombinant Human CCN4 Protein

Cat. No. CCN4-197C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCN4 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	WISP-1, also known as Wnt-1-inducible-signaling pathway protein 1, CCN4 and Wnt-1-induced secreted protein, is a cysteine-rich heparin-binding Glycoprotein belonging to the CCN protein family. It is expressed in many internal organs, such as the lung, kidney and spleen. WISP-1 binds to BMP-2 and enhances mesenchymal cell proliferation and osteoblastic differentiation., WISP-1 has also been reported to attenuate p53-mediated apoptosis and inhibit TNF-induced cell death, suggesting it may play a role intumorigenesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50< 0.5 µg/mL, measured in a bioassay using ATDC5 cells in the presence of 50 ng/mL human BMP-2.
Molecular Mass	44-46 kDa, observed by reducing SDS-PAGE.
AA Sequence	TALSPAPTTMDFTPAPLEDTSSRPQFCKWPCECPPSPPRCPLGVSLITDGCECCKM CAQQLGDNCTEAAICDPHRGLYCDYSGDRPRYAIGVCAQVVGVCVLGVRYNNG QSFQPNCKYNCTCIDGAVGCTPLCLRVRPPRLWCPHPRRVSIPIGHCCEQWVCEDD AKRPRKTAPRDTGAFDAVGVEAWHRNCIAYTSPWSPCSTSCGLGVSTRISNVNAQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CWPEQESRLCNLRPCDVIDHTLIKAGKKCLAVYQPEASMNFTLAGCISTRSYQPKYC
GVCMDNRCCIPYKSKTIDVSFQCPDGLGFSRQVLWINACFCNLSCRNPNDIFADLES
YPDFSEIAN

Endotoxin < 0.2 EU/μg, determined by LAL method.

Purity > 95% as analyzed by SDS-PAGE.

Storage Lyophilized recombinant human WISP-1 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human WISP-1 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

Storage Buffer Lyophilized after extensive dialysis against PBS.

Reconstitution Reconstituted in ddH₂O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name CCN4 cellular communication network factor 4 [Homo sapiens (human)]

Official Symbol CCN4

Synonyms CCN4; cellular communication network factor 4; WISP1; WISP1c; WISP1i; WISP1tc; WISP1-OT1; WISP1-UT1;

Gene ID 8840

mRNA Refseq NM_080838

Protein Refseq NP_543028

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MIM	603398
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UniProt ID	O95388
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