

Recombinant Human CCN4 Protein (Cys216-Arg347), N-His tagged

Cat. No. CCN4-1548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCN4 (Cys216-Arg347) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys216-Arg347
Description	This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid

 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

	level. Multiple alternatively spliced transcript variants have been identified.
Form	Lyophilized powder/frozen liquid
Molecular Mass	16.95 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

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; CCN family member 4; WISP1 3'UTR-associated RNA 1; WISP1 overlapping transcript 1 (non-protein coding); WNT1 induced secreted protein 1; WNT1 inducible signaling pathway protein 1

 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

Gene ID	8840
mRNA Refseq	NM_080838
Protein Refseq	NP_543028
MIM	603398
UniProt ID	O95388
SDS-PAGE	