

Product datasheet for **TP310402M**

CCN4 (NM_003882) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human WNT1 inducible signaling pathway protein 1 (WISP1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210402 protein sequence Red =Cloning site Green =Tags(s)
	MRWFLPWTLAAVTA AAASTVLATALSPAPTTMDFTPAPLEDTSSRPQFCKWPCECPPSPPRCPLGVSLIT DGCECKMCAQQLGDNCTEAAICDPHRGLYCDYSGDRPRYAIGVCAQVVGVCVLDGVRYNNGQSFQPN KYNCTCIDGAVGCTPLCLRVRPPRLWCPHRRVSI PGHCCEQWVCEDDAKRPRKTAPRDTGAFDAVGEVE AWHRNCIAYTSPWSPCSTSCGLGVSTRISNVNAQCWPEQESRLC NLRPCDVDIHTLIKAGKKCLAVYQPE ASMNFTLAGCISTRSYQPKYCGVCMNDRCCIPYKSKTIDVVSFQCPDGLGFSRQVLWINACFCNLS CRNPN DIFADLESYPDFSEIAN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	38 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003873</u>



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Locus ID: 8840

UniProt ID: [O95388](#)

RefSeq Size: 5194

Cytogenetics: 8q24.22

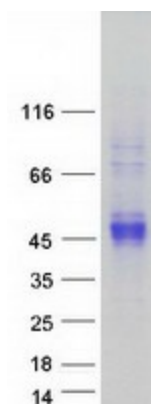
RefSeq ORF: 1101

Synonyms: WISP1; WISP1-OT1; WISP1-UT1; WISP1c; WISP1i; WISP1tc

Summary: 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 level. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2011]

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - DSL/Notch pathway, Stem cell relevant signaling - Wnt Signaling pathway

Product images:



Coomassie blue staining of purified CCN4 protein (Cat# [TP310402]). The protein was produced from HEK293T cells transfected with CCN4 cDNA clone (Cat# [RC210402]) using MegaTran 2.0 (Cat# [TT210002]).