

## Product datasheet for **TP304636**

### CCN5 (NM\_003881) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human WNT1 inducible signaling pathway protein 2 (WISP2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204636 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MRGTPKTHLLAFSLLCLLSKVRTLQCPCTCPWPPRCPLGVPLVLDGCGCCRVCCARRLGEPDQLHVC DASQGLVCQPGAGPGGRGALCLLAEDDSSCEVNGRLYREGETFQPHCSIRCRCEGGFTCVPLCSEDVRL PSWDCPHPRRVEVLGKCCPEWVCQGGLGTQPLPAQGPQFSGLVSSLPPGVPCPEWSTAWGPCSTTC GL GMATRVSNQNRFCRLETQRRLLCLSRPCPPSRGRSPQNSAF
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	24.2 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><a href="#">NP_003872</a></u>
Locus ID:	8839



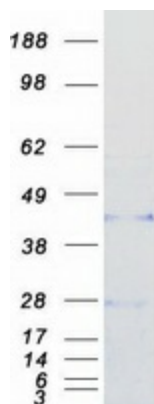
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**UniProt ID:** [O76076](#)  
**RefSeq Size:** 1433  
**Cytogenetics:** 20q13.12  
**RefSeq ORF:** 750  
**Synonyms:** CT58; CTGF-L; WISP2

**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 (CT) domain. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

## Product images:



Coomassie blue staining of purified CCN5 protein (Cat# TP304636). The protein was produced from HEK293T cells transfected with CCN5 cDNA clone (Cat# [RC204636]) using MegaTran 2.0 (Cat# [TT210002]).