

Recombinant Full Length Human CCN5 Protein, C-Flag-tagged

Cat. No. CCN5-776HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CCN5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 (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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.2 kDa

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AA Sequence	MRGTPKTHLLAFSLCLLSKVRTQLCPTPCTCPWPPPRCPLGVPLVLDGCGCCRVC ARRLGEPCDQLHVC DASQGLVCQPGAGPGGRGALCLLAEDDSSCEVNGRLYREG ETFQPHCSIRCRCEDGGFTCVPLCSEDVRL PSWDCPHPRRVEVLGKCCPEWVCG QGGGLGTQPLPAQGPQFSGLVSSLPPGVPCPEWSTAWGPCSTTCGL GMATRVSNQNRFCRLETQRRRLCLSRPCPPSRGRSPQNSAFTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Full Length	Full L.

GENE INFORMATION

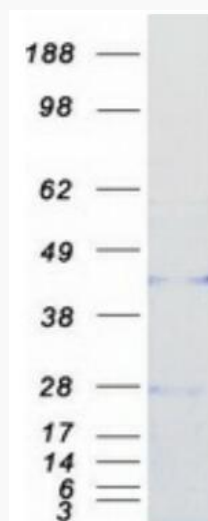
Gene Name	CCN5 cellular communication network factor 5 [Homo sapiens (human)]
Official Symbol	CCN5
Synonyms	CT58; WISP2; CTGF-L

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Gene ID	8839
mRNA Refseq	NM_003881.4
Protein Refseq	NP_003872.1
MIM	603399
UniProt ID	O76076



Coomassie blue staining of purified CCN5 protein.