

Product datasheet for PH304636

CCN5 (NM_003881) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WISP2 MS Standard C13 and N15-labeled recombinant protein (NP_003872)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204636
Predicted MW:	26.8 kDa
Protein Sequence:	>RC204636 protein sequence Red=Cloning site Green=Tags(s) MRGTPKTHLLAFSLLCLLSKVRTQLCPTPCTCPWPPRCPLGVPLVLDGCGCCRVCCARRLGEPCDQLHVC DASQGLVCQPGAGPGGRGALCLLAEDSSCEVNGRLYREGETFQPHCSIRCCEGGFTCVPLCSEDEVRL PSWDCPHPRRVEVLGKCCPEWVCGQGGGLGTQPLPAQGPQFSGLVSSLPVPCPEWSTAWGPCSTTCGL GMATRVSNQNRFCRLETQRRLCLSRPCPPSRGRSPQNSAF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003872
RefSeq Size:	1433
RefSeq ORF:	750
Synonyms:	CT58; CTGF-L; WISP2
Locus ID:	8839
UniProt ID:	O76076



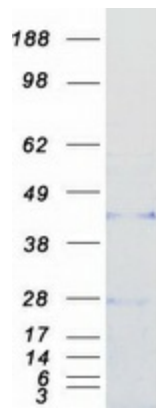
[View online »](#)

Cytogenetics: 20q13.12

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]).