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Product datasheet for TP723480

CCN6 (NM_003880) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human WNT1 inducible signaling pathway protein 3 (WISP3), transcript variant 1.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	TGPLDTTPEG RPGEVSDAPQ RKQFCHWPCK CPQQKPRCPP GVSLVRDGCG CCKICAKQPG EICNEADLCD PHKGLYCDYS VDRPRYETGV CAYLVAVGCE FNQVHYHNGQ VFQPNPLFSC LCVSGAIGCT PLFIPKLAGS HCSGAKGGKK SDQSNCSLEP LLQQLSTSYK TMPAYRNLPL IWKKKCLVQA TKWTPCSRTC GMGISNRVTN ENSNCEMRKE KRLCYIQPCD SNILKTIKIP KGKTCQPTFQ LSKAEKFVFS GCSSTQSYKP TFCGICLDKR CCIPNKSKMI TIQFDCPNEG SFKWKMLWIT SCVCQRNCRE PGDIFSELKI L
Tag:	Tag Free
Predicted MW:	36.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Bioactivity:	ED50 was determined by the dose-dependant proliferation of the MCF-7 cell line. The expected ED50 for this effect is 0.2-0.3 ug/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_003871
Locus ID:	8838
UniProt ID:	O95389, A0A384NYW3, I6L968
RefSeq Size:	1307
Cytogenetics:	6q21

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RefSeq ORF:	1062
Synonyms:	LIBC; PPAC; PPD; PPRD; WISP-3; WISP3
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 is overexpressed in colon tumors. It may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Mutations of this gene are associated with progressive pseudorheumatoid dysplasia, an autosomal recessive skeletal disorder, indicating that the gene is essential for normal postnatal skeletal growth and cartilage homeostasis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein