



Recombinant Human WISP-3

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-366S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	8838
Synonyms:	WISP3; PPD; CCN6; LIBC; PPAC

WISP-3 is a member of the CCN family of secreted cysteine rich regulatory proteins. It is predominantly expressed in the adult kidney, testis and fetal kidney and weaker expression in placenta, ovary, prostate, small intestine, and skeletally-derived cells. WISP-3 is required for normal postnatal skeletal growth and cartilage homeostasis. Human WISP-3 is a 36.8 kDa protein containing 331 amino acid residues. It is composed of four distinct structural domains (modules); the IGF binding protein (IGFBP) domain, the von Willebrand Factor C (VWFC) domain, the thrombospondin type-1 repeat (TSP type-1) domain, and a C-terminal cystine knot-like (CTCK) domain.

Sequence

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TGPLDTPPEG  RPGEVSDAPQ  RKQFCHWFCK  CPQQKPRCPP
GVSLVRDGGC  CCKICAKQPG  EICNEADLCD  PHKGLYCDYS
VDRPRYETGV  CAYLVAVGCE  FNQVHYHNGQ  VFQPNPLFSC
LCVSGAIGCT  PLFIPKLAGS  HCSGAKGGKK  SDQSNCSLEP
LLQQLSTSYK  TMPAYRNLPL  IWKKKCLVQA  TKWTPCSRTC
GMGISNRVTN  ENSNCEMRKE  KRLCYIQPCD  SNILKTIKIP
KGTKCQPTFQ  LSKAEKVFVS  GCSSTQSYKP  TFCGICLDKR
CCIPNKSKMI  TIQFDCPNEG  SFKWKMLWIT  SCVCQRNCRE
PGDIFSELKI  L
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Database References

Protein RefSeq:	NP_003871
Uniprot ID:	O95389
mRNA RefSeq:	NM_003880

Product Specifications

Expressed in	E. coli
Purity	>98% by SDS-PAGE & HPLC analysis
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	331
MW:	36.8 kDa

Biological Activity: The 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 µg/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!