

## 32-20418: Recombinant Human WISP-3(Discontinued)

**Reactivity :** Human

**Alternative Name :** WNT-1 inducible signaling pathway protein-3, CCN6

### Description

**Source:** **E.coli** 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, but it is also found with weaker expression in the placenta, ovary, prostate, small intestine, and skeletally-derived cells. WISP-3 is required for normal postnatal skeletal growth and cartilage homeostasis. Recombinant 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 cysteine knot-like (CTCK) domain.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** TGPLDTTPEG RPGEVSDAPQ RKQFCHWPCK CPQQKPRCPP GVSLVRDGC G CCKICAKQPG  
EICNEADLCD PHKGLYCDYS VDRPRYETGV CAYLVAVGCE FNQVHYHNGQ VFQPNPLFSC  
LCVSGAIGCT PLFIPKLAGS HCSGAKGGKK SDQSNCSLEP LLQQLSTSYK TMPAYRNLPL  
IWKKKCLVQA TKWTPCSRTC GMGISNRVTN ENSNCEMRKE KRLCYIQPCD SNILKTIKIP  
KGKTCQPTFQ LSKAEKFVFS GCSSTQSYKP TFCGICLDKR CCIPNKS MI TIQFDCPNEG  
SFKWKMLWIT SCVCQRNCRE PGDIFSELKI L

### Application Note

The  $ED_{50}$  was determined by the dose-dependant proliferation of the MCF-7 cell line. The expected  $ED_{50}$  for this effect is 0.2-0.3 µg/ml.