

**TECHNICAL DATA SHEET**

**Recombinant Human WISP-3 (Carrier-Free)**

Catalog Number: 21-9075

**RPx-Pro™ Recombinant Protein**  
**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human WISP-3 (Carrier-Free)

**DESCRIPTION**

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. It is composed of four distinct structural domains (modules): the IGF binding protein (IGFBP) domain, the von Willebrand Factor C (VWF) domain, the thrombospondin type-1 repeat (TSP type-1) domain, and a C-terminal cysteine knot-like (CTCK) domain.

**MOLECULAR MASS**

Recombinant Human WISP-3 is a 36.8 kDa protein containing 331 amino acid residues.

**AMINO ACID SEQUENCE**

TGPLDTTPEG RPGEVSDAPQ RKQFCHWPCK CPQKPRCPP GVSLVRDGC CCKICAKQPG EICNEADLCD PHKGLYCDYS VDRPRYETGV  
 CAYLVAVGCE FNQVHYHNGQ VFQPNPLFSC LCVSGAIGCT PLFIPKLAGS HCSGAKGGKK SDQSNCSLEP LLQQLSTSYK TMPAYRNPLP IWKKKLVQA  
 TKWTPCSRTC GMGISNRVTN ENSNCEMRKE KRLCYIQPCD SNILKTIKIP KGKTCQPTFQ LSKAEKVFVS GCSSTQSYKP TFCGICLDRK CCIPNKSMMI  
 TIQFDCPNEG SFKWKMLWIT SCVCQRNCRE PGDIFSELK L

**SOURCE**

E.coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Human

**BIOACTIVITY**

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.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular, Apoptosis

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Pal, A. CCN6 modulates BMP signaling via the Smad-independent TAK1/p38 pathway, acting to suppress metastasis of breast cancer. 2012. Cell Research; 72(18):4818-28.

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