

32-20417: Recombinant Human WISP-1(Discontinued)

Reactivity : Mouse, Rat

Alternative Name : WNT-1 inducible signaling pathway protein-1, CCN4, Wnt-1-induced secreted protein

Description

Source: **E.coli** WISP-1 is a member of the CCN family of secreted, cysteine-rich regulatory proteins. It is expressed in the heart, kidney, lung, pancreas, placenta, ovary, small intestine and spleen. WISP-1 is a Beta -catenin-regulated protein that can contribute to tumorigenesis, and has also been shown to play a role in bone development and fracture repair. Recombinant Human WISP-1 is a 38.1 kDa protein containing 345 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 : TALSPAPTTM DFTPAPLEDT SSRPQFCKWP CECPPSPPRC PLGVSLITDG CECCKMCAQQ LGDNCTEAAI
CDPHRGLYCD YSGDRPRYAI GVCAQVVGVG CVLDGVRVYNN GQSFQPNCKY NCTCIDGAVG
CTPLCLRVRP PRLWCPHPRR VSIPGHCCEQ WVCEDDAKRP RKTAPRDTGA FDAVGEVEAW
HRNCIAYTSP WSPCSTSCGL GVSTRISNVN AQCWPEQESR LCNLRPCDVD IHTLIKAGKK CLAVYQPEAS
MNFTLAGCIS TRSYQPKYCG VCMDNRCCIP YKSKTIDVSF QCPDGLGFSR QVLWINACFC NLSCRNPNDI
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Application Note

Determined by the dose-dependant proliferation of the MCF-7 cell line. The expected ED_{50} for this effect is 1.0-3.0 µg/ml.