



WISP-1 Recombinant Protein

CATALOG NUMBER: 40-217

Specifications

SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	TALSPAPTTM DFTPAPLEDT SSRPQFCKWP CECPPSPPRC PLGVSLITDG CECCKMCAQQ LGDNCTEAAI CDPHRGLYCD YSGDRPRYAI GVCAQVVGVG CVLDGVRVNN QGSFQPNCKY NCTCIDGAVG CTPLCLRVRP PRLWCPPHRR VSIPGHCEQ WVCEDDAKRP RKTAPRDTGA FDAVGEVEAW HRNCIAYTSP WSPCSTSCGL GVSTRISNVN AQCWPEQESR LCNLRPCDVD IHTLIKAGKK CLAVYQPEAS MNFTLAGCIS TRSYQPKYCG VCMDNRCCIP YKSKTIDVSF QCPDGLGFSR QVLWINACFC NLSCRNPNDI FADLESYPDF SEIAN
TESTED APPLICATIONS:	
BIOLOGICAL ACTIVITY:	The ED50 was determined by the dose - dependant proliferation of the MCF - 7 cell line. The expected ED50 for this effect is 1.0 - 3.0 ug/mL.

Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per ug (1EU/ug).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized WISP-1 recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted WISP-1 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing WISP-1 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Additional Info

ALTERNATE NAMES:	CCN4, WISP1c, WISP1i, WISP1tc, CCN4, WNT1-inducible-signaling pathway protein 1, CCN family member 4, WISP-1
ACCESSION NO.:	NP_001191799.1
PROTEIN GI NO.:	325910845

Background

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. Human WISP-1 is a 38.1 kDa protein containing 346 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.

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