

WISP-1, Human Recombinant

CATALOG NO:	P1281-5, 20	5 µg, 20 µg
ALTERNATE NAMES:	WNT-1 inducible signaling pathway protein-1, CCN4, Wnt-1-induced secreted protein, WISP-1	
SOURCE:	E. Coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses.	
MOL. WEIGHT:	38.1 kDa	
FORM:	Lyophilized	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	Determined by the dose-dependent proliferation of the MCF-7 cell line. The expected ED ₅₀ for this effect is 1.0-3.0 µg/ml.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Note: Slow to dissolve. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.	
DESCRIPTION:	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 β-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 cysteine knot-like (CTCK) domain.	

RELATED PRODUCTS:

- CTGFL/WISP-2, Human Recombinant (**Cat. No. 7129**)
- Cyr61/CCN1 Antibody (Clone 365108) (**Cat. No. 6695**)
- Human Recombinant FKBPL (**Cat. No. 6345**)
- WNT-1, human recombinant (**Cat. No. 4754**)
- Wnt-1 Antibody (**Cat. No. 5754**)
- Wnt-1 Blocking Peptide (**Cat. No. 3571BP**)
- Wnt-2, human recombinant (**Cat. No. 7599**)

FOR RESEARCH USE ONLY! Not to be used on humans.