

WISP1 active protein

WISP1 protein

CATALOG # AAA75458	HOST Human
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PRODUCT SYNONYMS

WISP1; WISP1 protein; WNT-1 inducible signaling pathway protein-1 protein; CCN4 protein; WISP-1 protein; WISP-1; WISP 1 protein; Wnt-1-induced secreted protein protein; WISP 1; WISP1 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 98% pure
Form/Format	Lyophilized from 10 mM CH ₃ COOH. Reconstitute in water to a concentration of 0.1 - 1.0 mg/ml (this product is slow to dissolve)
Sequence	Region of WISP1 protein corresponds to amino acids TALSP APTTMDFTP APLEDTSSRPQ FCKWPCECPP SPPRCPLGVS LITDGCECCK MCAQQLGDNC TEAAICDPHR GLYCDYSGDR PRYAIGVCAQ VVGVGCVLDG VRYNNGQSFQ PNCKYNCTCI DGAVGCTPLC LRVPPRLWC PHPRRVSIPIG HCCEQWVCED DAKRPRKTAP RDTGAFDAVG EVEAWHRNCI AYTSPWSPCS TSCGLGVSTR ISNVNAQCWP EQESRLCNLR PCDVDIHTLI KAGKKCLAVY QPEASMNFTL AGCISTRSYQ PKYCGVCMND RCCIPYKSKT IDVSFQCPDG LGFSRQVLWI NACFCNLSCR NPNDIFADLE SYPDFSEIAN .
Sequence Length	280
Protein Type	Recombinant
Biological Significance	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.
Bioactivity	The ED ₅₀ was determined by the dose-dependant proliferation of the MCF-7 cell line. The expected ED ₅₀ for this effect is 1.0-3.0 ug/ml.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for WISP1 active protein	Purified recombinant Human WISP1 protein
Product Categories/Family for WISP1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	18491000
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NCBI GeneID	8840
NCBI Accession #	NP_543028.1
NCBI GenBank Nucleotide #	NM_080838.2
UniProt Accession #	O95388; Q5JBS6; Q5JBS7; Q5JBS8; Q9HCS3; A8KAG6; E7EMM5
Molecular Weight	21,550 Da
NCBI Official Full Name	WNT1-inducible-signaling pathway protein 1 isoform 2
NCBI Official Synonym Full Names	WNT1 inducible signaling pathway protein 1
NCBI Official Symbol	WISP1
NCBI Official Synonym Symbols	CCN4; WISP1c; WISP1i; WISP1tc
NCBI Protein Information	WNT1-inducible-signaling pathway protein 1
UniProt Protein Name	WNT1-inducible-signaling pathway protein 1
UniProt Gene Name	WISP1
UniProt Synonym Gene Names	CCN4; WISP-1
UniProt Entry Name	WISP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/wisp1/75458>