

## Overview

<b>Synonyms</b>	WNT1-inducible-signaling pathway protein 1, CCN4 and Wnt-1-induced secreted protein <b>WISP-1</b> , also known as Wnt-1-inducible-signaling pathway protein 1, CCN4 and Wnt-1-induced secreted protein, is a cysteine-rich heparin-binding Glycoprotein belonging to the CCN protein family. It is expressed in many internal organs, such as the lung, kidney and spleen. WISP-1 binds to BMP-2 and enhances mesenchymal cell proliferation and osteoblastic differentiation. , WISP-1 has also been reported to attenuate p53-mediated apoptosis and inhibit TNF-induced cell death, suggesting it may play a role intumorigenesis.
<b>Description</b>	
<b>Accession No</b>	O95388
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Biological Activity</b>	ED <sub>50</sub> <0.5 µg/ml, measured in a bioassay using ATDC5 cells in the presence of 50 ng/ml human BMP-2.
<b>Sequence</b>	TALSPAPTTM DFTPAPLEDT SSRPQFCKWP CECPPSPPRC PLGVSLITDG CECCKMCAQQ LGDNCTEAAI CDPHRGLYCD YSGDRPRYAI GVCAQVVGVG CVLDGVRVYNN GQSFQPNCKY NCTCIDGAVG CTPLCLRVRP PRLWCNPHRR VSIPGHCCCEQ WVCEDDAKRP RKTAPRDTGA FDAVGEVEAW HRNCIAYTSP WSPCSTSCGL GVSTRISNVN AQCWPEQESR LCNLRPCDVD IHTLIKAGKK CLAVYQPEAS MNFTLAGCIS TRSYQPKYCG VCMDNRCCIP YKSKTIDVSF QCPDGLGFSR QVLWINACFC NLSCRNPNDI FADLESYPDF SEIAN

## Properties

<b>Measured Molecular Weight</b>	44-46 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>human WISP-1</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human WISP-1 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

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