

## Active Recombinant Human WISP3 Protein

Cat. No. WISP3-530H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WISP3, transcript variant 1, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene is overexpressed in colon tumors. It may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Mutations of this gene are associated with progressive pseudorheumatoid dysplasia, an autosomal recessive skeletal disorder, indicating that the gene is essential for normal postnatal skeletal growth and cartilage homeostasis. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bio-activity</b>	ED50 was determined by the dose-dependant proliferation of the MCF-7 cell line. The

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

expected ED50 for this effect is 0.2-0.3 ug/ml.

**Molecular Mass** 36.8 kDa

**AA Sequence**

TGPLDTTPEGRPGEVSDAPQRKQFCHWPCKCPQQKPRCPPGVSLVRDGCCKI  
 CAKQPGEICNEADLCDPHKGLYCDYSVDRPRYETGVCAYLVAVGCEFNQVHYHNG  
 QVFQPNPLFSLCLCVSGAIGCTPLFIPKLAGSHCSGAKGGKSDQSNCSLEPLLQQLS  
 TSYKTMPAYRNLPLIWKKCLVQATKWTPCSRTC GMGISNRVTNENSNC EMRKEK  
 RLCYIQPCDSNILKTIKIPKGKTCQPTFQLSKAEK FVFSGCSSTQSYKPTFCGICLDR  
 CCIPNKSKMITIQFDCPNEGSFKWKMLWITSCVCQRNCREPGDIFSELKIL

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein in the desired concentration in proper buffer

## GENE INFORMATION

**Gene Name** [WISP3 WNT1 inducible signaling pathway protein 3 \[ Homo sapiens \]](#)

**Official Symbol** [WISP3](#)

**Synonyms** WISP3; WNT1 inducible signaling pathway protein 3; WNT1-inducible-signaling pathway protein 3; CCN6; WISP-3; CCN family member 6; PPD; LIBC; PPAC; MGC125987; MGC125988; MGC125989;

**Gene ID** [8838](#)

**mRNA Refseq** [NM\\_003880](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Protein Refseq** [NP\\_003871](#)

**MIM** [603400](#)

**UniProt ID** [O95389](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA