

## Recombinant Human WISP2 protein, His-tagged

Cat. No. WISP2-30H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human WISP2(Gln24~Phe250) fused with His tag at N-terminal was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** Gln24~Phe250

**Description** 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 (CT) domain. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

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<b>Molecular Mass</b>	24.3kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	WISP2 WNT1 inducible signaling pathway protein 2 [ Homo sapiens ]
<b>Official Symbol</b>	WISP2
<b>Synonyms</b>	WISP2; WNT1 inducible signaling pathway protein 2; WNT1-inducible-signaling pathway protein 2; CCN5; CT58; CTGF L; WISP-2; CCN family member 5; wnt-1 signaling pathway protein 2; connective tissue growth factor-like protein; connective tissue growth factor-related protein 58; CTGF-L;
<b>Gene ID</b>	8839

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<b>mRNA Refseq</b>	NM_003881
<b>Protein Refseq</b>	NP_003872
<b>MIM</b>	603399
<b>UniProt ID</b>	O76076
<b>Chromosome Location</b>	20q13.12
<b>Function</b>	insulin-like growth factor binding;

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