

# Recombinant Human WNT1 Inducible Signaling Pathway Protein 1

Cat. No. WISP1-1699H Lot. No. (See product label)

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>WNT1 inducible signaling pathway protein 1, also known as WISP1 is a cysteine-rich, secreted factor belonging to the CCN family which is associated with the extracellular matrix, and can interact with cellular integrins. WISP-1 promotes mesenchymal cell proliferation and osteoblastic differentiation while repressing chondrocytic differentiation. Therefore, WISP-1 plays an important regulatory role during bone development and fracture repair. WISP1 can also contribute to tumorigenesis.</p>
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>90% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Molecular Weight</b>	<p>The predicted molecular weight of Recombinant Human WISP-1 is Mr 39.3 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 62 kDa.</p>
<b>Storage And Stability</b>	<p>This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated</p>

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Freeze Thaw Cycles.

## GENE INFORMATION

**Gene Name** [WISP1 WNT1 inducible signaling pathway protein 1 \[ Homo sapiens \]](#)

**Synonyms** WISP1; WNT1 inducible signaling pathway protein 1; CCN4; WNT1 induced secreted protein 1; wnt-1 signaling pathway protein 1; Wnt-1 inducible signaling pathway protein 1 WISP1c; WISP1i; WISP1tc; WNT1-inducible-signaling pathway protein 1; WISP-1; Wnt-1-induced secreted protein; WISP1c; WISP1i; WISP1t

**Gene ID** [8840](#)

**mRNA Refseq** [NM\\_003882](#)

**Protein Refseq** [NP\\_003873](#)

**MIM** [603398](#)

**UniProt ID** [O95388](#)

**Chromosome Location** 8q24.22

**Function** insulin-like growth factor binding; protein binding

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