

WISP1/CCN4 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78051
Synonyms:	ELM-1; WISP-1; CCN4; WISP1c; WISP1i; WISP1tc
Species:	Mouse
Source:	HEK293
Accession:	O54775 (T23-N367)
Gene ID:	22402
Molecular Weight:	55-75 kDa

PROPERTIES

AA Sequence	<p>T A L S P T P T T M T F T P A P L E E T T T R P E F C K W P C E C P Q S P P R C</p> <p>P L G V S L I T D G C E C C K I C A Q Q L G D N C T E A A I C D P H R G L Y C D</p> <p>Y S G D R P R Y A I G V C A Q V V G V G C V L D G V R Y T N G E S F Q P N C R Y</p> <p>N C T C I D G T V G C T P L C L S P R P P R L W C R Q P R H V R V P G Q C C E Q</p> <p>W V C D D D A R R P R Q T A L L D T R A F A A S G A V E Q R Y E N C I A Y T S P</p> <p>W S P C S T T C G L G I S T R I S N V N A R C W P E Q E S R L C N L R P C D V D</p> <p>I Q L H I K A G K K C L A V Y Q P E E A T N F T L A G C V S T R T Y R P K Y C G</p> <p>V C T D N R C C I P Y K S K T I S V D F Q C P E G P G F S R Q V L W I N A C F C</p> <p>N L S C R N P N D I F A D L E S Y P D F E E I A N</p>
Biological Activity	Measured by its ability to inhibit the cell growth of DU145 human prostate cancer cells. The ED ₅₀ for this effect is 0.9133 µg/mL, corresponding to a specific activity is 1094.930 U/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	WISP1/CCN4 protein acts as a downstream regulator in the Wnt/Frizzled-signaling pathway and is involved in cell survival. It
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shows adherence to skin and melanoma fibroblasts, potentially through binding to proteoglycans like decorin and biglycan. Additionally, WISP1/CCN4 protein has demonstrated the ability to suppress tumor growth in vivo.

Caution: Product has not been fully validated for medical applications. For research use only.

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