

Recombinant Human CCN4/WISP1 Protein

Catalog No.: RP00205 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8840	O95388

Tags
C-6×His

Synonyms
WISP1;CCN4;WISP1c;WISP1i;WISP1tc

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

CCN4/Wnt-induced secreted protein 1 (WISP1) is a member of a family of cysteine-rich, glycosylated signaling proteins which belongs to the connective tissue growth factor CCN (CTGF/CYR61/NOV) family. WISP1 is involved in diverse biological functions such as cell growth, adhesion, migration, angiogenesis, tissue repair, and regulation of extracellular matrix. WISP1 is a putative downstream effector of the Wnt/Frizzled pathway that mediates diverse developmental processes, was identified as an oncogene regulated by the Wnt-1-beta-catenin pathway. Thus may contribute to Wnt-1-mediated tumorigenesis and malignance. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. WISP-1 is expressed by osteoblasts and may contribute to fracture healing by promoting bone cell formation.

Basic Information

Description
Recombinant Human CCN4/WISP1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr23-Asn367) of human CCN4/WISP1 (Accession #NP_003873.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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