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Human WISP2 Recombinant Protein

20 µg

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For Research Use Only. Not for Use in Diagnostic Procedures.**MW (kDa):**
24.4**UniProt ID:**
#O76076**Entrez-Gene Id:**
8839

Background

WNT1 inducible signaling pathway protein 2 (WISP2 or CCN5) belongs to the CCN (Cyr61, Ctgf, NOV) family of proteins. It is a cysteine-rich secretory protein that associates with components of the extracellular matrix (1-3). WISP2 is expressed in endoderm, mesoderm, and ectoderm lineages, including primary osteoblasts, fibroblasts, ovaries, testes, and heart cells (3,4). This protein has been found to regulate cell proliferation, adhesion, signaling, wound healing, fibrosis, skeletal development, and metastasis (5). WISP2 promotes the adhesion of osteoblasts, inhibits osteocalcin production, and inhibits fibrinogen binding to integrin receptors (6). WISP2 is normally expressed in both embryonic and adult tissues (7,8).

Endotoxin

Endotoxin levels are less than or equal to 1 EU / 1 µg hWISP2.

Purity

A greater than or equal to 95% purity was determined by SDS-PAGE.

Source / Purification

Recombinant human WISP2 was expressed in *E. coli* and is supplied in a lyophilized form.

Background References

1. Yeger, H. and Perbal, B. (2007) *J Cell Commun Signal* 1, 159-64.
2. Gray, M.R. et al. (2007) *J Cell Commun Signal* 1, 145-58.
3. Perbal, B. (2001) *Mol Pathol* 54, 57-79.
4. Grünberg, J.R. et al. (2018) *J Cell Commun Signal* 12, 309-318.
5. Ji, J. et al. (2014) *Oncol Rep* 31, 533-9.
6. Kumar, S. et al. (1999) *J Biol Chem* 274, 17123-31.
7. Burren, C.P. et al. (1999) *J Clin Endocrinol Metab* 84, 1096-103.
8. Kocialkowski, S. et al. (2001) *Anat Embryol (Berl)* 203, 417-27.

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