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Human WISP2 Recombinant Protein



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20 μg

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MW (kDa): 24.4 UniProt ID: #O76076

Entrez-Gene Id:

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 μ g 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.

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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.

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected

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