

TECHNICAL DATA SHEET

Recombinant Human CTGFL/WISP-2 (Carrier-Free)

Catalog Number: 21-9072

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human CTGFL/WISP-2 (Carrier-Free)

DESCRIPTION

CTGFL/WISP-2 is a 28.6 kDa protein that belongs to the CCN family of cysteine-rich regulatory proteins. Members of this family stimulate mitosis, adhesion, apoptosis, extracellular matrix production, growth arrest, and migration of multiple cell types. It is composed of 3 distinct domains; the IGF-Binding Protein domain (IGF-BP), the Thrombospondin type I repeat (TSP type I), and von Willebrand Factor C motif (VWFC).

MOLECULAR MASS

Mature human CTGFL/WISP-2 is a 24.8 kDa polypeptide protein containing 227 amino acids.

AMINO ACID SEQUENCE

MQLCPTPCTC PWPPPRCPGLG VPLVLDGCGC CRVCARRLGE PCDQLHVCD A SQGLVCQPGA GPGGRGALCL LAEDSSCEV NGRLYREGET
 FQPHCSIRCR CEDGGFTCVPLC SEDVRLPS WDCPHRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG
 PCSTTCGLGM ATRVSNQNRFCRLETQRRLC LSRPCPPSRG RSPQNSAF

SOURCE

E.coli

APPLICATIONS

Bioassay

PURITY

95 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

BIOACTIVITY

The ED50 was determined by its ability to inhibit IGF-II induced proliferation of MCF-7 is between 10-20 ng/ml in the presence of 15 ng/ml of human IGF-II.

RESEARCH AREAS

Angiogenesis/Cardiovascular, Apoptosis

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Zhou H, Yao Y, Liang Y, Wang Z, Zhou X, Guo W, Yang X, Jiang J, Sun J, Chen Z. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2017 Sep;33(9):1196-1200. Chinese. Sarkar S, Ghosh A, Banerjee S, Maity G, Das A, Larson MA, Gupta V, Haque I, Tawfik O, Banerjee SK. Oncogenesis. 2017 May 22;6(5):e340. doi: 10.1038/oncsis.2017.43.

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