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WISP2 Human

WNT1 Inducible Signaling Pathway Protein 2 Human Recombinant
CYK0625

Product Overview

Name	WISP2 Human

Description

WNT1 Inducible Signaling Pathway Protein 2 Human Recombinant

Accession (Primary)	O76076

Synonyms

WNT1 Inducible Signaling Pathway Protein 2, Connective Tissue Growth Factor-Related Protein 58, Connective Tissue Growth Factor-Like Protein, CCN Family Member 5, CTGF-L, CT58, CCN5, WISP-2, CTGFL, WISP2.

Introduction

WNT1-inducible-signaling pathway protein 2 (WISP2) belongs to the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. The CTGF family members are characterized by 4 conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like (CT) domain. WISP2 protein lacks the CT domain which is implicated in dimerization binding. WISP2 is possibly involved in bone remodeling. WISP2 is expressed in primary osteoblasts and fibroblasts. WISP2 stimulates osteoblast adhesion and inhibits osteocalcin production. WISP2 expression in colon tumors is reduced while the other 2 WISP members are overexpressed in colon tumors. WISP2 may play an imperative role in modulating bone turnover.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a sterile (0.2 μm) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).

Stability

Lyophilized WISP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution WISP-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

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Amino acid sequence

MQLCPTPCTC PWPPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVP LCSEDVRLPS WDCPHPRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNRF CRLETQRRLC LSRPCPPSRG RSPQNSAF.

Solubility

It is recommended to reconstitute the lyophilized WISP-2 in sterile 10mM acetic acid not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

WISP2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O76076)