
Product Data Sheet

Product Name: WISP2 Human
 Cat. No.: GP21063
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	MQLCPTPCTC PWPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVP LCSEDVRLPS WDCPHRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNR CRLETQRRLC LSRPCPPSRG RSPQNSAF.		
Solubility	It is recommended to reconstitute the lyophilized WISP-2 in sterile 10mM acetic acid not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a sterile (0.2µm) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).		

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

modulating bone turnover.

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.

Background

WISP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing a total of 228 amino acids and having a molecular mass of 24.4kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA