

Datasheet for ABIN935909 **WISP1 Protein**



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Overview

Quantity:	20 µg
Target:	WISP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	TALSPAPTTM DFTPAPLEDT SSRPQFCKWP CECPPSPPRC PLGVSLITDG CECKMCAQQ LGDNCTEAAI CDPHRGLYCD YSGDRPRYAI GVCAQVVGVG CVLDGVRVYNN GQSFQPNCKY NCTCIDGAVG CTPLCLRVRP PRLWCPHPRR VSIPGHCCEQ WVCEDDAKRP RKTAPRDTGA FDAVGEVEAW HRNCIAYTSP WSPCSTSCGL GVSTRISNVN AQCWPEQESR LCNLRPCDVD IHTLIKAGKK CLAVYQPEAS MNFTLAGCIS TRSYQPKYCG VCMDNRCCIP YKSKTIDVSF QCPDGLGFSR QVLWINACFC NLSCRNPNDI FADLESYPDF SEIAN
Characteristics:	Purified recombinant Human WISP1 protein Expression System: E.coli Bioactivity: The ED50 was determined by the dose-dependant proliferation of the MCF-7 cell line. The expected ED50 for this effect is 1.0-3.0 µg/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	WISP1
Alternative Name:	WISP1 (WISP1 Products)
Background:	<p>WISP-1 is a member of the CCN family of secreted cysteine rich regulatory proteins. It is expressed in the heart, kidney, lung, pancreas, placenta, ovary, small intestine and spleen. WISP-1 is a beta catenin regulated protein that can contribute to tumorigenesis and has also been shown to play a role in bone development and fracture repair. Human WISP-1 is a 38.1 kDa protein containing 346 amino acid residues. It is composed of four distinct structural domains (modules), the IGF binding protein (IGFBP) domain, the von Willebrand Factor C (VWFC) domain, the thrombospondin type-1 repeat (TSP type-1) domain, and a C-terminal cystine knot-like (CTCK) domain.</p> <p>Alternative Names: WNT-1 inducible signaling pathway protein-1 protein, CCN4 protein, WISP-1 protein, WISP-1, WISP1, WISP 1 protein, Wnt-1-induced secreted protein protein, WISP-1 protein, WISP 1</p>
Pathways:	WNT Signaling , Growth Factor Binding

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in water to a concentration of 0.1 - 1.0 mg/mL (this product is slow to dissolve)
Buffer:	Lyophilized from 10 mM CH ₃ COOH.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.