

# Recombinant Human WNT Inhibitory Factor 1, His-tagged

**Cat. No.** WIF1-516H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human Wif-1 protein, fused to His-tag at C-terminus, was expressed in <i>Hi-5 cell</i> using baculovirus expression system and purified by using conventional chromatography. MW =40.5 kDa (369 aa).
<b>Species</b>	Human
<b>Source</b>	Hi-5 Insect Cells
<b>Description</b>	Wnt inhibitory factor 1, also known as Wif-1, is a secreted protein that binds to Wnt proteins involved in the embryonic development and cancer, and inhibits their activity. Wif-1 protein contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. It may be involved in mesoderm segmentation. This protein is found to be present in fish, amphibia and mammals.
<b>Amino Acid Sequence</b>	ADLGPPQEES LYLWIDAHQA RVLIGFEEDI LIVSEGKMAP FTHDFRKAQQ RMPAIPVNIH SMNFTWQAAG QAEYFYEFLS LRSLDKGIMA DPTVNVPLLG TVPHKASVVQ VGFPCLGKQD GVAAFEVDVI VMNSEGNTIL KTPQNAIFFK TCQQAECPPG CRNGGFCNER RICECPDGFH GPHCEKALCT PRCMNGGLCV TPGFCICPPG FYGVNCDKAN CSTTCFNGGT CFYPGKICIP PGLEGEQCEI SKCPQPCRNG GKCIGKSKCK CSKGYQGDLK SKPVCEPGCG AHGTCHEPNK CQCQEGWHGR HCNKRYEASL IHALRPAGA Q LRQHTPSLKK AEERRDPPES NYIWSGRLVP RG SHHHHHH.
<b>Form</b>	Liquid. In PBS (pH 7.4) containing 10% glycerol, 1mM PMSF.

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<b>Purity</b>	>80 % by SDS – PAGE.
<b>Concentration</b>	0.20mg/ml (determined by Bradford assay).
<b>Endotoxin Level</b>	< 1.0 EU per 1 µg of protein (determined by LAL method).
<b>Storage</b>	Can be stored at +4°C short term (1-2 week). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

<b>Gene Name</b>	WIF1 WNT inhibitory factor 1 [ Homo sapiens ]
<b>Synonyms</b>	WIF1; WNT inhibitory factor 1; HMGA2/WIF1 fusion; HMGA2ex3/ WIF1ex3 fusion protein; HMGA2ex3/WIF1ex4 fusion protein; HMGA2ex5/WIF1ex3 fusion protein; WNT inhibitory factor 1; WIF-1
<b>Gene ID</b>	11197
<b>mRNA Refseq</b>	NM_007191
<b>Protein Refseq</b>	NP_009122
<b>UniProt ID</b>	Q9Y5W5
<b>Chromosome Location</b>	12q14.3
<b>Pathway</b>	Wnt signaling pathway
<b>Function</b>	protein tyrosine kinase activity

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