

Recombinant Human WNT Inhibitory Factor 1, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	Hi-5 Insect Cells
Description	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.
Amino Acid Sequence	ADLGPPQEES LYLWIDAHQA RVLIGFEEDI LIVSEGKMAP FTHDFRKAQQ RMPAIPVNIH SMNFTWQAAG QAEYFYEFLS LRSLDKGIMA DPTVNVPLLG TVPHKASVVQ VGFPCLGKQD GVAAFEVDVI VMNSEGNTIL KTPQNAIFFK TCQQAECPPG CRNGGFCNER RICECPDGFH GPHCEKALCT PRCMNGGLCV TPGFCICPPG FYGVNCDKAN CSTTCFNGGT CFYPGKCICP PGLEGEQCEI SKCPQPCRNG GKCIGKSKCK CSKGYQGDLC SKPVCEPGCG AHGTCHEPNK CQCQEGWHGR HCNKRYEASL IHALRPAGAQ LRQHTPSLKK AEERRDPPES NYIWSGRLVP RG SHHHHHH.
Form	Liquid. In PBS (pH 7.4) containing 10% glycerol, 1mM PMSF.

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Purity	>80 % by SDS – PAGE.
Concentration	0.20mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method).
Storage	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

Gene Name	WIF1 WNT inhibitory factor 1 [Homo sapiens]
Synonyms	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
Gene ID	11197
mRNA Refseq	NM_007191
Protein Refseq	NP_009122
UniProt ID	Q9Y5W5
Chromosome Location	12q14.3
Pathway	Wnt signaling pathway
Function	protein tyrosine kinase activity

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