

Product information



Wif-1, 29-379aa

Human, His-tagged, Recombinant, Hi-5 cell

Cat. No. IBATGP0305

Full name: Wnt inhibitory factor 1

NCBI Accession No.: NM_007191

Synonyms: WIF1

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. Recombinant human Wif-1 protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.

Form: Liquid. In PBS (pH 7.4) containing 10% glycerol, 1mM PMSF

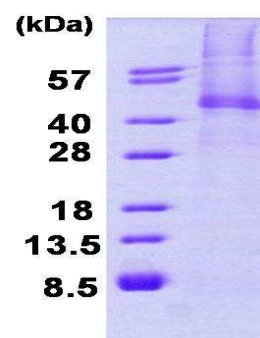
Molecular Weight: 40.5 kDa (369 aa)

(On SDS-PAGE under denatured condition, apparent molecular weight of glycosylated rhWif-1 protein will be appeared at approximately 48kDa)

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)



Sequences of amino acids:

ADLGPPQEEES LYLWIDAHQA RVLIGFEEDI LIVSEGKMAP FTHDFRKAQQ RMPAIPVNIH SMNFTWQAAG QAEYFYEFLS LRSLDKGIMA DPTVNVPLLG
TVPHKASVVQ VGFPCLGKQD GVAAFEVDVI VMNSEGNTIL KTPQNAIFFK TCQQAECPPG CRNGGFCNER RICECPDGFH GPHCEKALCT PRCMNGGLCV
TPGFICPPG FYGVNCDKAN CSTTCFNNGT CFYPGKCICP PGLEGEQCEI SKCPQPCRNG GKCIGKSKCK CSKGYQGDLG SKPVCEPGCG AHGTCHEPNK
CQCQEGWHGR HCNKRYEASL IHALRPAGA QLRQHTPSLKK AEERRDPPES NYIWSGRLVP RGSHHHHHH

General references:

Wissmann C. *et al.* (2003) *J. Pathol.* **201**:204-12

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Cebrat M. *et al.* (2004) *Cancer Lett.* **206**:107-13

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.

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