Recombinant human WIF-1 protein

Catalog Number: ATGP0305

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
29-379aa

UniProt No.
Q9Y5W5

NCBI Accession No.
AAH18037.1

Alternative Names
Wnt inhibitory factor 1, Wnt inhibitory factor 1, WIF1, Wnt inhibitory factor 1

PRODUCT SPECIFICATION

Molecular Weight
39.5 kDa (360aa)

Concentration
0.2mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 0.1mM PMSF, 1mM DTT

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.

Amino acid Sequence

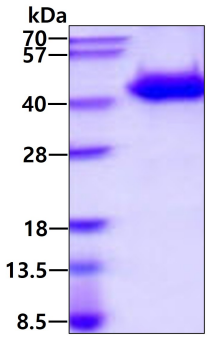
<ADL>GPPQEES LYLWIDAHQA RVLIGFEEDI LIVSEGKMAP FTHDFRKAQQ RMPAIPVNIH SMNFTWQAAG QAEYFYEFLS LRSLDKGIMA DPTVNVPLLG TVPHKASVVQ VGFPCLGKQD GVAAFEVDVI VMNSEGNTIL QTPQNAIFFK TCQQAECPGG CRNGGFCNER RICECPDGFH GPHCEKALCT PRCMNGGLCV TPGFCICPPG FYGVNCDKAN CSTTCFNGGT CFYPGKCICP PGLEGEQCEI SKCPQPCRNG GKCIGKSKCK CSKGYQGDLC SKPVCEPGCG AHGTCHEPNK CQCQEGWHGR HCNKRYEASL IHALRPAGAQ LRQHTPSLKK AEERRDPPES NYIW<HHHHHH>

General References

Wissmann C. et al. (2003) J. Pathol. 201:204-12
Cebrat M. et al. (2004) Cancer Lett. 206:107-13

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.