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WIF1 Human

Catalog #:PRPS-691

For research use only.

Description:WIF1 produced in Hi-5 cells is a single, glycosylated polypeptide chain containing 369 amino acids (29-379 a.a.) and having a molecular mass of 40.5 kDa, (48kDa on SDS-PAGE). WIF1 is fused to 16 amino acid His Tag at C-Terminus and purified by proprietary chromatographic techniques.

Synonyms:WIF1, WIF-1, Wnt inhibitory factor 1.

Source: Hi-5 Cells.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:ADLGPPQEES LYLWIDAHQA RVLIGFEEDI LIVSEGKMAP FTHDFRKAQQ RMPAIPVNIH SMNFTWQAAG QAEYFYEFLS LRSLDKGIMA DPTVNVPLLG TVPHKASVVQ VGFPCLGKQD GVAAFEVDVI VMNSEGNTIL KTPQNAIFFK TCQQAECPGG CRNGGFCNER RICECPDGFH GPHCEKALCT PRCMNGGLCV TPGFCICPPG FYGVNCDKAN CSTTCFNGGT CF

Purity: Greater than 80.0% as determined by SDS-PAGE.

Formulation:
The WIF1 protein solution contains 1X PBS pH 7.4, 10% glycerol and 1mM PMSF.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
WIF1 binds to wnt proteins and inhibits their activities. WIF1 plays a role in mesoderm segmentation. WNT proteins are extracellular signaling molecules that take part in the control of embryonic development & cancer. WIF1 protein contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. WIF1 takes part in mesoderm segmentation. WIF1 protein is found to be present in fish, amphibia and mammals. WIF1 is a recurrent target in human salivary gland oncogenesis. Downregulation of WIF1 takes part in the development and progression of pleomorphic adenomas. WIF1 is a tumor suppressor, specifically in nonfunctioning pituitary tumors.

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