## 32-13508: WIF1 Mouse

Alternative Name : Wnt inhibitory factor 1, WIF-1, Wif1.

## Description

Source: Sf9, Insect cells.
Sterile filtered colorless solution.
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.
WIF1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 359 amino acids (29-379a.a.) and having a molecular mass of 39.4 kDa . (Molecular size on SDS-PAGE will appear at approximately $40-57 \mathrm{kDa}$ ). WIF1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

## Amount :

## Purification :

## Content :

## Storage condition :

Amino Acid :

## $2 \mu \mathrm{~g} / 10 \mu \mathrm{~g}$

Greater than $90.0 \%$ as determined by SDS-PAGE.
WIF1 protein solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) contains 20mM MES (pH5.5), 1 mM DTT, 1 mM PMSF and $30 \%$ glycerol.
Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within 2-4 weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ 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.
GQPPEESLYL WIDAHQARVL IGFEEDILIV SEGKMAPFTH DFRKAQQRMP AIPVNIHSMN FTWQAAGQAE YFYEFLSLRS LDKGIMADPT VNVPLLGTVP HKASVVQVGF PCLGKQDGVA AFEVNVIVMN SEGNTILRTP QNAIFFKTCQ QAECPGGCRN GGFCNERRVC ECPDGFYGPHCEKALCIPRC MNGGLCVTPG FCICPPGFYG VNCDKANCST TCFNGGTCFY PGKCICPPGL EGEQCELSKC PQPCRNGGKC IGKSKCKCPK GYQGDLCSKP VCEPGCGAHG TCHEPNKCQC REGWHGRHCN KRYGASLMHA PRPAGAGLER HTPSLKKAED RRDPPESNYI WVEHHHHHH.

