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Datasheet for ABIN1097808 WIF1 Protein (AA 29-379) (His tag)

Overview

Quantity:	50 µg
Target:	WIF1
Protein Characteristics:	AA 29-379
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WIF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Wnt Inhibitory Factor 1/WIF-1 (C-6His)
Sequence:	GPPQEESLYL WIDAHQARVL IGFEEDILIV SEGKMAPFTH DFRKAQQRMP AIPVNIHSMN FTWQAAGQAE YFYEFSLRS LDKGIMADPT VNVPLLGTVP HKASVVQVGF PCLGKQDGVA AFEVDVIVMN SEGNTILKTP QNAIFFKTCQ QAECPPGGCRN GGFCNERRIC ECPDGFHGP CEKALCTPRC MNGGLCVTPG FCICPPGFYG VNCDKANCST TCFNGGTCFY PGKCICPPGL EGEQCEISKC PQPCRNGGKC IGKSKCKCSK GYQGDLC SKP VCEPGCGAHG TCHEPNKCQC QEGWHGRHCN KRYEASLIHA LRPAGAQLRQ HTPSLKKAEE RRDPPESNYI WVDHHHHHHH
Characteristics:	Recombinant Human Wnt Inhibitory Factor 1/WIF-1 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gly29-Trp379) of Human WIF-1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: WIF1

Alternative Name: wif-1 ([WIF1 Products](#))

Sub Type: Fusionprotein

Background: Wnt Inhibitory Factor 1 (WIF1) is a secreted protein, which binds WNT proteins and inhibits their activities. WNT proteins are extracellular signaling molecules involved in the control of embryonic development. WIF1 contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. is found to be present in fish, amphibia and mammals. WIF1 is a recurrent target in human salivary gland oncogenesis. WIF1 may be involved in mesoderm segmentation. WIF1 is a tumor suppressor, specifically in nonfunctioning pituitary tumors.
Alternative Names: Wnt Inhibitory Factor 1, WIF-1, WIF1

Molecular Weight: 39.47 kDa

UniProt: [Q9Y5W5](#)

Pathways: [WNT Signaling](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 10 mM HAc-NaAc, 150 mM NaCl, 0.5 % CHAPS, pH 4.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Handling

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months