Datasheet for ABIN7534198

WIF1 Protein (Gln166Lys) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	WIF1
Protein Characteristics:	Gln166Lys
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WIF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human WIF-1(Q166K) Protein
Sequence:	GPPQEESLYL WIDAHQARVL IGFEEDILIV SEGKMAPFTH DFRKAQQRMP AIPVNIHSMN FTWQAAGQAE YFYEFLSLRS LDKGIMADPT VNVPLLGTVP HKASVVQVGF PCLGKQDGVA AFEVDVIVMN SEGNTILKTP QNAIFFKTCQ QAECPGGCRN GGFCNERRIC ECPDGFHGPH CEKALCTPRC MNGGLCVTPG FCICPPGFYG VNCDKANCST TCFNGGTCFY PGKCICPPGL EGEQCEISKC PQPCRNGGKC IGKSKCKCSK GYQGDLCSKP VCEPGCGAHG TCHEPNKCQC QEGWHGRHCN KRYEASLIHA LRPAGAQLRQ HTPSLKKAEE RRDPPESNYI W
Specificity:	Gly29-Trp379(Q166K)
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	WIF1
Alternative Name:	WIF-1 (WIF1 Products)
Background:	Description: WIF (Wnt Inhibitory Factor) is a secreted protein that binds to Wnt proteins and inhibits their activity. WIF is extracellular signaling molecules that play a role in embryonic development. This protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation.. WIF-1 is implicated as an early event tumor suppressor in cancers of the prostate, breast, lung and bladder. However, WIF-1's role in carcinogenesis may not be that simple since in other cancer types, such as colon adenocarcinoma, WIF facilitates tumorigenesis. Name: WIF-1,WIF1
Gene ID:	11197
UniProt:	Q9Y5W5
Pathways:	WNT Signaling, Positive Regulation of fat Cell Differentiation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of 20 mM HAc-NaAc,150 mM NaCl,0.5 % CHAPS, pH 6.0.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.