

Recombinant Human WIF-1(Q166K) Protein

Catalog No.: RP00190

Sequence Information

Species **Gene ID**
Human 11197

Swiss Prot **Tags**
Q9Y5W5 C-His

Synonyms
WIF-1, WIF1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
39.27 kDa 45-55 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL
method.

Formulation
Lyophilized from a 0.22 μm filtered
solution of 20mM HAc-NaAc,
150mM NaCl, 0.5% CHAPS, pH 6.0.
Contact us for customized product
form or formulation.

Reconstitution
Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

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.

Basic Information

Description

Recombinant Human WIF-1(Q166K) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly29-Trp379(Gln166Lys)) of human WIF-1 (Accession #NP_009122.2) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

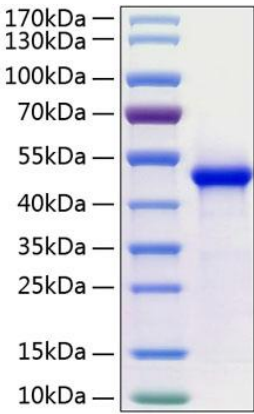
Contact

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Validation Data



Recombinant Human WIF-1(Q166K) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.