

Recombinant Human WIF-1(Q166K) Protein

Catalog No.: RP00190 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	11197	Q9Y5W5

Tags

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.

Contact

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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 6xHis tag at the C-terminus.

Bio-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

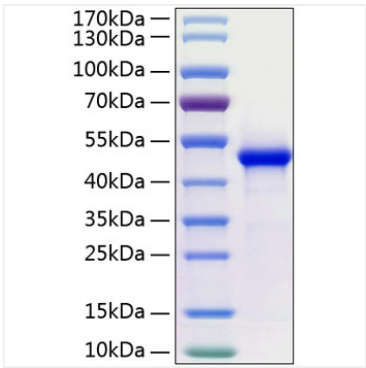
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes

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



Validation Data



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