Recombinant Mouse Dkk-3 Protein

Catalog No.: RP01894

Sequence Information

Species
Mouse

Gene ID
50781

Swiss Prot
Q9QUN9

Tags
C-His

Synonyms
Dkk3,Dickkopf-related protein 3, Dickkopf-3, Dkk-3, mDkk-3

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by SDS-PAGE.

Calculated MW
37.14 kDa

Observed MW
55-70 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

DKK3 (dickkopf related protein 3) is a member of the dickkopf-related family consisting of DKK1, DKK2, DKK3 and DKK4. It is a secreted protein, and also known as REIC (Reduced Expansion in Immortalized Cells). The DKK3 protein is proposed to function as a secreted tumor suppressor since it is downregulated in a number of cancer cells and prostate cancer tissue and may be a promising candidate molecule for therapeutic interference. DKK3 protein is also a negative regulator of beta-catenin and its downregulation contribute to an activation of the beta-catenin signaling pathway.

Basic Information

Description
Recombinant Mouse Dkk-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 22 - Ile 349) of Mouse Dkk-3 (Accession #NP_056629.1) fused with a His tag at the C-terminus.

Activity
Measured by its ability to inhibit proliferation of HeLa human cervical epithelial carcinoma cells. The ED_{50} for this effect is 9.66-38.64 μg/mL, corresponding to a specific activity of 2.59×10^{1}~1.04×10^{2} units/mg.

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℃

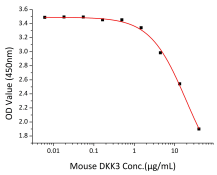
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

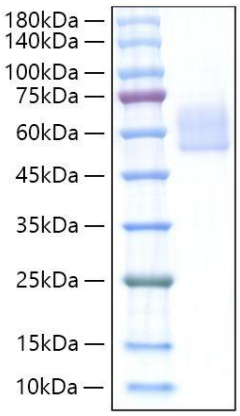
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Mouse Dkk-3 inhibit proliferation of HeLa human cervical epithelial carcinoma cells. The ED_{50} for this effect is 9.66-38.64 μg/mL, corresponding to a specific activity of 2.59×10^{1}~1.04×10^{2} units/mg.



Recombinant Mouse Dkk-3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.