Recombinant Human Dkk-3 Protein

Catalog No.: RP00209

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Sequence Information

Species
Human

Gene ID
27122

Swiss Prot
Q9UBP4

Tags
C-His

Synonyms
DKK3,REIC,RIG, RIG, CRRL, REIC

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
37.12 kDa

Observed MW
50-65 kDa

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

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

Dkk-3, also known as REIC (Reduced Expansion in Immortalized Cells), is one of four numbered members of the Dickkopf family of Wnt antagonists . Dkk-3 is a secreted monomer expressed in many normal human tissues, most strongly in heart, brain and spinal cord, and during early embryonic development in the mouse.Dkk-3 contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. 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. 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 Human Dkk-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala22-Ile350) of human Dkk-3/DKK3 (Accession #NP_037385.2) 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℃

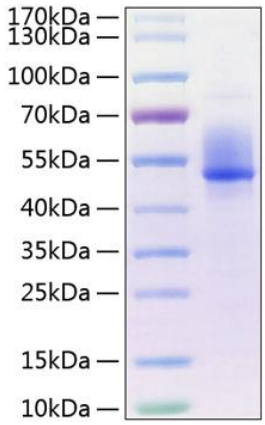
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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