

Recombinant Human Dkk-3 Protein

Catalog No.: RP00209 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	27122	Q9UBP4

Tags

C-His

Synonyms

DKK3;REIC;RIG; RIG; CRRL; REIC

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
37.12 kDa	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 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

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

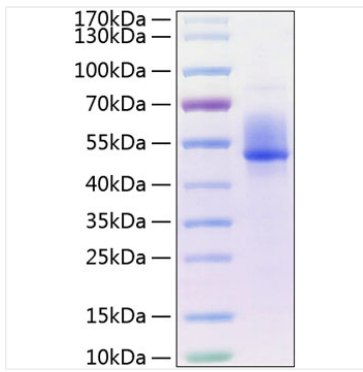
Recombinant Human Dkk-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala22-Ile350) of human Dkk-3/DKK3 (Accession #NP_037385.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

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.

Validation Data



Recombinant Human Dkk-3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 50-65 kDa..