

Biotinylated Recombinant Human Dkk-3 Protein

Catalog No.: RP02554B **Recombinant**

Sequence Information

Species Human **Gene ID** 27122 **Swiss Prot** Q9UBP4

Tags

C-His&Avi

Synonyms

Dickkopf-3; Dkk3; REIC; REICdkk-3; RIG; RIG-like 5-6; RIG-like 7-1; AW061014; C87148

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW

39.5 kDa.

Observed MW

50-70 kDa

Endotoxin

< 1 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 tube 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 freeze-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. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkk3s are implicated in bone formation and bone disease, cancer and Alzheimer disease.

Basic Information

Description

Biotinylated Recombinant Human Dkk-3 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Pro23-Ile350) of Human Dkk-3 fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. 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.

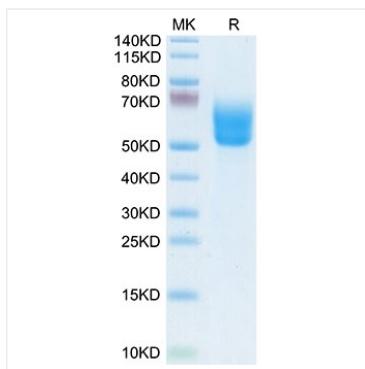
Operational Notes

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

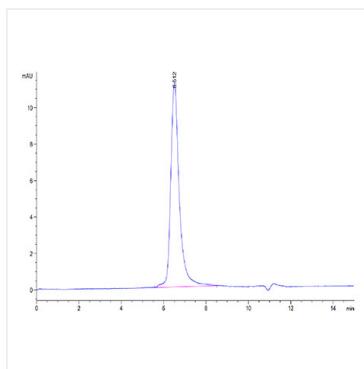
Contact

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Validation Data



Biotinylated Recombinant Human Dkk-3 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Dkk3 is greater than 95% as determined by SEC-HPLC.