Human DKK-1 (His Tag) recombinant protein

Catalog Number: 500811

General Information

Protein Construction

A DNA sequence encoding the human DKK1 precursor (NP_036374.1) (Met 2-His 266) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit Wnt3a-induced alkaline phosphatase production by C3H10T1/2 cells. The ED_{50} for this effect is approximately 0.1-0.4 μg/ml in the presence of 10 ng/mL of mouse Wnt3a.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Thr 32 or Ser 35

Molecular Mass

The recombinant human DKK1 protein consists of 235 amino acids and has a calculated molecular mass of 25.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh DKK1 is approximately 45 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

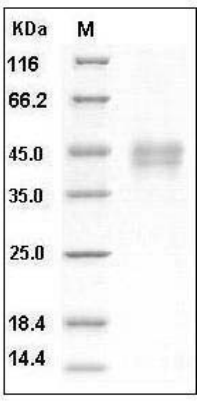
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human DKK1 / Dkk-1 Protein (His Tag) SDS-PAGE