

Recombinant Human Nephrin Protein

Catalog No.: RP03532 **Recombinant**

Sequence Information

Species HEK293 cells
Gene ID 4868
Swiss Prot O60500

Tags
 C-His

Synonyms

NPHS1; NPHN;Nephrin; Renal glomerulus-specific cell adhesion receptor

Background

Seems to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion.

Basic Information

Description

Recombinant Human Nephrin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ser1055) of Human Nephrin (Accession # O60500) fused with His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

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.

Product Information

Source HEK293 cells
Purification ≥ 90 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Reconstitution

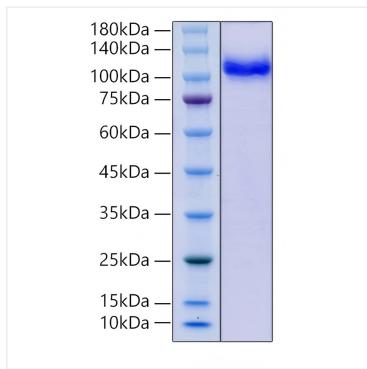
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human Nephrin

Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.