Mouse KIRREL1/NEPH1 (His Tag) recombinant protein

Catalog Number: 502644



General Information

Gene Name Synonym

Kin of irregular chiasm-like protein 1; Nephrin-like protein 1

Protein Construction

A DNA sequence encoding the extracellular domain of mouse KIRREL1 (NP_570937.2) (Met 1-Leu 525) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of MS1 mouse pancreatic islet endothelial cells (ATCC: CRL2279). When cells are added to KIRREL1 coated plates (30 μ g/mL, 100 μ L/well), > 40% cells will adhere specifically after 90 minutes at 37 °C.

Purity

> 98 % 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°C

Predicted N terminal

Leu 48

Molecular Mass

The secreted recombinant mouse KIRREL1 consists of 489 amino acids and has a calculated molecular mass of 53.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 65-70 kDa protein in SDS-PAGE under reducing conditions.

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

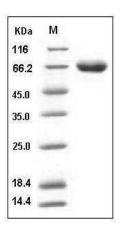
Storage

Store it under sterile conditions at -20°C to -80°C. 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



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