9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NPHS2 Human

Nephrosis 2 Idiopathic Steroid-Resistant Human Recombinant
RCP1518

Product Overview

Name	NPHS2 Human

Description

Nephrosis 2 Idiopathic Steroid-Resistant Human Recombinant

Accession (Primary)	Q9NP85

Synonyms

Nephrosis 2, Idiopathic, Steroid-Resistant (Podocin), PDCN, SRN1, Podocin, NPHS2.

Introduction

Nephrosis 2 Idiopathic Steroid-Resistant (NPHS2) is a protein which has a role in the regulation of glomerular permeability, serving as a linker between the plasma membrane and the cytoskeleton. NPHS2 gene mutations cause steroid-resistant nephrotic syndrome.

Source

Escherichia Coli.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

NPHS2 was filtered (0.4 µm) and lyophilized in 30mM acetate buffer and 1mM dithiothreitol, pH 4.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MKHHHHHHAS VKVVQEYERV IIFRLGHLLP GRAKGPGLFF FLPCLDTYHK VDLRLQTLEI PFHEIVTKDM FIMEIDAICY YRMENASLLL SSLAHVSKAV QFLVQTTMKR LLAHRSLTEI LLERKSIAQD AKVALDSVTC IWGIKVERIE IKDVRLPAGL QHSLAVEAEA QRQAKVRMIA AEAEKAASES LRMAAEILSG TPAAVQLRYL HTLQSLSTEK PSTVVLPLPF DLLNCLSSPS NRTQGSLPFP SPSKPVEPLN PKKKDSPML.

Solubility

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

It is recommended to add 0.1M acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. NPHS2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

NPHS2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NP85)