

## 32-4337: Recombinant Human Nephrosis 2 Idiopathic Steroid-Resistant

**Alternative Name :** Nephrosis 2, Idiopathic, Steroid-Resistant (Podocin), PDCN, SRN1, Podocin, NPHS2.

### Description

Source : Escherichia Coli. NPHS2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Val125-Leu383) containing 269 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 30.2kDa. 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	NPHS2 was filtered (0.4µm) and lyophilized in 30mM acetate buffer and 1mM dithiothreitol, pH 4.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MKHHHHHHASVKVQYERYV IIFRLGHLLP GRAKGPGGLFF FLPCLDYHK VDLRLQTLEI PFHEIVTKDM FIMEIDAICY YRMENASLLL SSLAHVSKAV QFLVQTTMKR LLAHRSLTEI LLERKSIAQD AKVALDSVTC IWGIKVERIE IKDVRLPAGL QHSLAVEAEA QRQAKVRMIA AEAKEAASES LRMAAEILSG TPAAVQLRYL HTLQSLSTEK PSTVVLPLPF DLLNCLSSPS NRTQGSPLFP SPSKPVEPLN PKKKDSPML.

### Application Note

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 10µg/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.

