

Human NPHS2 Recombinant Protein



RPPB4118

Product Information Protein Information

Product SKU:

RPPB4118

Accession:

Q9NP85

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

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

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

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.

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.

Amino Acid Sequence:

MKHHHHHHASVKVVQEYERV IIFRLGHLLP GRAKGPGLEF FLPCLDTYHK VDLRLQTLEI PFHEIVTKDM
FIMEIDAICY YRMENASLLL SSLAHVSKAV QFLVQTTMKR LLAHRSLTEI LLERKSIAQD AKVALDSVTC
IWGIKVERIE IKDVRLPAGL QHSLAVEAEA QRQAKVRMIA AEAKAASES LRMAAEILSG TPAAVQLRYL
HTLQSLSTEK PSTVVLPLPF DLLNCLSSPS NRTQGSLPFP SPSKPVEPLN PKKKDSPML