

Nephrosis 2 Idiopathic Steroid-Resistant Human Recombinant

Item Number	rAP-4197
Synonyms	Nephrosis 2, Idiopathic, Steroid-Resistant (Podocin), PDCN, SRN1, Podocin, NPHS2.
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.
Uniprot Accesion Number	Q9NP85
Amino Acid Sequence	MKHHHHHHASVKVVQEYERV IIFRLGHLLP GRAKGPGLFF FLPCLDITYHK VDLRLQTLEI PFHEIVTKDM FIMEIDAICY YRMENASLLL SSLAHVSKAV QFLVQTTMKR LLAHRSLTEI LLERKSIAQD AKVALDSVTC IWGIKVERIE IKDVRLPAGL QHSLAVEAEA QRQAKVRMIA AEAKEAASES LRMAAEILSG TPAAVQLRYL HTLQSLSTEK PSTVVLPLPF DLLNCLSSPS NRTQGSPLFP SPSKPVEPLN PKKKDSPML.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	NPHS2 was filtered (0.4µm) and lyophilized in 30mM acetate buffer and 1mM dithiothreitol, pH 4. Greater than 95.0% as determined by SDS-PAGE.
Application	
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 t
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**