

Product datasheet for **SC304144**

NPHS2 (NM_014625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPHS2 (NM_014625) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPHS2
Synonyms:	PDCN; SRN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014625 edited
 CCGGGATCGCGGACCCGACGACTCCACAGGGACTGCGCTCCCCTGCCCTAGCGCTCC
 CGCGCTGCTGCTCCAGCCGCCGGCAGCTCTGAGGATGGAGAGGAGGGCGCGGAGCTCT
 CCAGGGAGTCCCAGCGGGCAGGGCGCAGGACTCCGCACAAGGAGAACAAGAGGGCAAAGG
 CCGAGAGGAGCGGGCGGGGCCGGGGCCAGGAGGCTGGGCCGAGCCGTCGGGCTCCG
 GACGGGCGGGGACCCCGGGGAGCCCGAGCGCCCGCCACGGTGGTGGACGTGGATG
 AGGTCCGAGGCTCCGGCAGGAGGGCACCGAGGTGGTGGCGCTGTTGGAGAGCGAGCGGC
 CCGAGGAAGGTACCAAATCCTCTGGCTTAGGGGCCTGTGAGTGGCTTCTTGTCTCATTT
 CCCTGCTCTTCATCATCATGACCTTCCCTTTTTCCATCTGGTTCTGCGTAAAGGTTGTAC
 AAGAGTATGAAAGAGTAATTATATTCGACTGGGACATCTGCTTCTGGAAGAGCCAAAG
 GCCCTGGTCTTTCTTTTTTTTGCCTGCCTGGATACCTACCACAAGGTTGACCTTCGTC
 TCCAAACTCTGGAGATACCTTTTCATGAGATCGTGACCAAGACATGTTTATAATGGAGA
 TAGATGCCATTTGCTACTACCGAATGGAAAATGCCTCTCTTCTCCTAAGCAGTCTTGCTC
 ATGTATCTAAAGCTGTGCAATTCCTTGTGCAAACCACTATGAAGCGTCTCCTAGCACATC
 GATCCCTCACTGAAATTCCTTAGAGAGGAAGAGCATCGCCCAAGATGCAAAGGTTGCCCT
 TGGATTACAGTGACCTGTATTTGGGAATCAAAGTGGAGAGAATAGAAATTAAGATGTGA
 GGTGCCAGCTGGGCTTCACTCACTGGCTGTGGAGGCTGAAGCGCAAAGACAAGCCA
 AAGTGGGATGATTGCTGCAGAAGCGGAAAAGGCTGCTTCTGAGTCCCTGAGGATGGCAG
 CTGAGATTCTGTAGGCACCCCTGCTGCCGTTACGCTTCGATACCTCCACACCCTTCAGT
 CTCTGTCCACAGAGAAGCCTTCCACTGTGGTTTTACCTTTGCCATTTGACCTGTGAATT
 GCCTGTCTTCCCAGCAACAGAACTCAGGGAAGCCTCCCCTTCCAAGTCTTCCAAC
 CTGTTGAGCCACTAAATCCTAAAAAGAAAGACTCTCCCATGTTATAGGAAGGATGGGCA
 TAATGTGACTGTAAGGGGCCTGCCATAGAAAAGTCACATGCCTGAGGGAGACACTCTGT
 CCTCATTCCCTGCCCTTCTTTGGTTGCCATATGGAATGGCCATGGAATGCACGAAGTCA
 CAATGCACCATCCATGAGAAGACAGTGAATGATGTAATGACAGAGAAGGAGACAAACAT
 GTTCCCGTACTCATCTAGTCAGAGCAATTATGGGAAACAGCTTTGGTCAACATTCTACT
 TTGGAAAGAAATTTGAGTCTAGATGTGGTTAAATTTTACTTCTGGGAACTTGGTTCAGA
 TGTCCCTTCACTGTATGCTCTGACCCCTTTGGCAAGGTTGCCACAGCTCCCACAGCC
 CTTCTACAAGCACCTATCATTGGGCTTGTCACTCTATTGCTCTTCTGTCCCAGAT
 GCAGTCTTCTCTCAATGATACTACCAAGTCTTAGTTTTCTCAACCACACTCAATCTTT
 TTGCTCCACCCTGAATTCCTCACACCTAACCTGATAGTTACCTAAAGTGACACTTAAAT
 GTTTCAGAGTGAATGCAAAAAGAGAGATGTAATTTGGAGTCGGATATACAATTTATCCCT
 AATTAAGCATTTAAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_014625
Insert Size: 1900 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_014625.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_014625.1 , NP_055440.1
RefSeq Size:	1853 bp
RefSeq ORF:	1152 bp
Locus ID:	7827
UniProt ID:	Q9NP85
Cytogenetics:	1q25.2
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a protein that plays a role in the regulation of glomerular permeability. Mutations in this gene cause steroid-resistant nephrotic syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>