

Product datasheet for **RN210894**

Nphs2 (NM_130828) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Nphs2
Synonyms:	podocin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210894 representing NM_130828 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACAGCAGGGCGCGGAGCTCTTCCAGAAAGACCCACGGGAGAGGTAGCAGGTCCTCTTAGGGATG
ACAAGAAGTCAAAGGCCGGGAGGGGCAACAGAGGCCGCGCGCCCGGATGCTGGGGTAGAGCGGCAGAG
CGCCGGGGCGGATGGGGACCCGGGAGGAGCACCAGCTCCAGCAGCCACGGTAGTGAATGTGGACGAGGTT
CGAAGCCCGGGTGAGGAGGGTCGGAAGTGGTGGCCCTGCTGGAGAGCGAGCGACCAGGAAGGGATCA
AGCCCTCTGGATTAGGGGCCGCGAGTGGCTTCTTGCTCTCCTCCCTGATCTTCATCATCGTAACGTT
TCCCTTTTCCATCTGGTTCTGCATAAAGGTTGTTCAAGAATACGAAAGAGTAATTATATTCCGACTGGGA
CATCTGCTTCTGGAAGAGCCAAAGGACCTGGCCTGTTCTTTTTTCTACCCTGCCTGGACACCTATCACA
AGGTTGACCTCCGTCTCCAGACCTTGGAATACCTTTCCATGAGGTGTAACCAAAGATATGTTCAAT
GGAGATAGACGCTGTCTGCTACTACCGCATGGAATAATGCCTCCCTCTTCTAAGCAGTCTAGCTCATGTG
TCCAAAGCCATCCAGTTCCTGGTGCAAAACCACCATGAAGCGCCTCTTGGCACATCGATCCCTCACTGAAA
TTCTCCTGGAAGGAAGAGCATTGCCCAAGATGTAAAGGTTGCCTTGGACTCAGTGACCTGTGTTGGGG
CATCAAAGTGGAGAGAACTGAAATTAAGGATGTACGGCTGCCAGCTGGGCTTCAGCACTCTCTGGCTGTG
GAAGCTGAGGCACAAAGACAGGCCAAAGTGGGGTGATTGCTGCCGAAGGGGAAAAAGCTGCCTCTGAGT
CCCTGAGGATGGCGGCTGAGATTCTGTGAGGCACCCAGCTGCTGTCCAGCTCCGGTACCTGCACACTCT
TCAGTCCTTGTCCACAGACAAGCCGTCCACCGTGGTTTGCCTTTACCTTTGACATGCTGAACCTTTTC
TCCTCTCCAGCAACAGAGCACAAGGAAGCATCAACTACCAAGTTCTCCCAAACCTGTTGAACCACTAA
ATCCCAAAGGAAGGACTCTCTATGCTA**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_130828
Insert Size:	1152 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_130828.2, NP_570841.2</u>
RefSeq Size:	1646 bp
RefSeq ORF:	1152 bp
Locus ID:	170672
UniProt ID:	<u>Q8K4G9</u>
Cytogenetics:	13q22
Gene Summary:	may play a role in renal glomerular capillary wall function [RGD, Feb 2006]