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Product datasheet for RN208911

Nphs1 (NM_022628) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nphs1 (NM_022628) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nphs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN208911 representing NM_022628
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGCTAAGAGAGTCACTGTCAGAGGTGCCCGGACAAGCCCAATACACAGAACGTCCAGTTTGACTC
CCCTGCTGCTCATGGGAATGCTGACCTCAGGCCTGGCCGAGTCGCCAGTCCCCACCTCAGCACCTCAAGG
CTTCTGGGCTCTGTCTGAAAACCTGACTGCGGTGGAAGGGACAACAGTTAAGCTATGGTGCGGTGTCAGG
GCCCCTGGCAGTGTGGTGCAGTGGGCTAAGGATGGGCTGCTTCTGGGTCCAAACCCGAAGATGCCAGGCT
TCCCGAGGTACAGCCTGGAAGGAGATCGTGCTAAAGGCGAGTTCCACCTGCTTATTGAAGCCTGTGACCT
CAGTGATGACGCAGAGTATGAATGCCAAGTCGGCCGCTCAGAGTTGGGTCCCGAGCTTGTGTCTCCTAAA
GTAATCCTCTCCATTCTAGTTTCCCCCAAGGTGCTTCTGTTGACCCCCGAGGCAGGAAGCACAGTGACCT
GGGTAGCTGGGCAGGAGTATGTGGTCACCTGTGTGTCTGGAGATGCAAAACCAGCACCTGACATCACCTT
CATCCAGAGTGGACGAACTATATTGGACGTCTCCTCCAATGTGAATGAGGGATCAGAGGAGAAACTCTGC
ATCACAGAGGCCGAAGCCAGGGTGATACCCCAGAGCTCGGATAACGGGCAGTTACTGGTCTGTGAGGGTT
CCAACCCAGCTTTGGACACTCCCATAAAGGCTTCATTCACCATGAATATTCTGTTTCCCCCAGGACCTCC
TGTCATTGATTGGCCAGGCCTGAATGAGGGGCATGTGAGGGCAGGGGAGAACCTGGAGCTGCCCTGCACA
GCCAGAGGTGGCAATCCACCTGCTACCCTGCAGTGGCTGAAGAACGGTAAACCAGTGTCCACAGCCTGGG
GCACCGAGCATGCCCAGGCAGTGGCCCACAGCGTGCTGGTGATGACTGTACGACCTGAAGACCATGGAGC
TCGGCTCAGCTGTCAGTCCTACAACAGCGTGTCTGCAGGGACCCAGGAGAGAAGCATCACACTACAGGTC
ACCTTTCCCCCAAGCGCCATTACCATCCTGGGATCTGTATCACAATCGGAGAACAAGAACGTGACCCTTT
GCTGCCTGACCAAGTCCAGTCGCCCACGGGTCCTGCTGCGATGGTGGTTGGGTGGACGGCAGCTGCTGCC
CACAGATGAGACAGTCATGGATGGCCTGCATGGTGGCCACATCTCCATGTCCAATCTCACATTCTTGGTG
CGGAGAGAAGACAATGGCCTGCCCCTCACCTGTGAAGCCTTCAGTGACGCCTTCAGCAAGGAGACCTTCA
AGAAGTCACTCACCTTGAATGTGAAATACCCTGCCCAGAAGCTGTGGATTGAGGGGCCCCCAGAGGGACA
GTACATCCGGACTGGGACTCGGGTGAGGCTGGTATGCTTGGCCATCGGAGGCAACCCAGACCCCTCCCTC
ATCTGGTTTAAGGATTCACGTCCGGTGAGCGAGCCCCGGCAGCCCCAGGAGCCCCGGCGTGTGCAGCTGG
GCAGTGTGGAGAAGTCCGGGAGCACTTTCTCCCGCGAGCTGGTGTTGATCATAGGTCCGCCGGACAACCG

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AGCCAAGTTCTCCTGCAAGGCGGGTCAGCTCAGTGCGTCTACGCAGCTGGTGGTGCAGTTCCCCCCAACC
AACCTGACCATCCTGGCCAACTCGTCCGCGCTGCGCCCAGGCGACGCCTTGAACTTGACCTGCGTCAGCA
TCAGCAGCAACCCCCCAGTCAACTTGTCTTGGGACAAGGAAGGAGAGAGGCTGGAAGATGTGGCTGCAAA
ACCCCAGAGTGCACCGTTCAAAGGCTCCGCTGCATCCAGGAGTGTTTTTCTCAGAGTGTCATCCCGAGAC
CACGGTCAACGGGTCACCTGCCGGGCCCACAGCGAGGCACTCCGTGAAACCGTGAGCTCCTTCTACCGCT
TCAATGTGCTGTATCCTCCAGAATTCCTGGGGGAGCAAGTCCGGGCAGTGACCGTGGTGGAGCAGGGCCA
GGTGCTGCTGCCGGTGTCGGTGTCCGCTAACCCCGCCCCCGAGGCCTTCAACTGGACCTTCCGAGGCTAC
CGCCTCAGCCCAGCTGGGGGTCCCCGGCACCGTATCCTGTCTGGAGGGGCTCTGCAGCTGTGGAATGTGA
CCCGAGCTGACGATGGCTTTTATCAGCTGCACTGCCAGAACTCAGAGGGCACCGCTGAGGCGCTGTTGAA
GCTGGACGTGCATTATGCTCCCACCATCCGTGCCCTCCGGGACCCTACTGAGGTGAATGTTGGGGGTTCT
GTGGACATAGTCTGCACCGTTGACGCCAATCCCATCCTCCCAGAGATGTTCAGCTGGGAGAGACTGGGAG
AAGAAGAGGAGGATCTGAACCTGGACGACATGGAGAAAGTTTCCAAGGGATCCACGGGGCGTCTGCGGAT
TCGCCAAGCCAAGCTATCCCAGGCTGGTGCCTACCAGTGCATCGTGGACAATGGGGTGGCTCCTGCAGCC
AGAGGACTGGTTCGTCTTGTCGTCCGATTTGCTCCCCAGGTGGATCAGCCTACTCCCCTAACAAAAGTGG
CTGCCGCTGGGGACAGCACCAGCTCAGCCACACTGCACTGCCGTGCCCGGGGTGTCCCCAACATCGACTT
CACTTGGACCAAAAACGGGGTCCCTCTGGATCTCCAAGACCCCAGGTACACAGAGCACAGGTACCACCAG
GGTGTTGTCCACAGCAGCCTCTTGACCATCGCTAATGTGTCTGCGGCCCAGGACTATGCCCTCTTCAAAT
GCACGGCCACCAATGCCCTTGGCTCTGACCACACCAACATCCAGCTCGTCAGCATCAGCCGCCCTGACCC
TCCACTGGGACTGAAGGTTGTCAGCATAAGCCCTCACTCGGTGGGGCTGGAGTGGAAGCCTGGCTTTGAT
GGGGGTCTGCCTCAGAGGTTCCAAATCAGGTACGAGGCCCTCGAGACCCCAGGATTCCTCCACGTGGATG
TCCTACCTACACAGGCCACTACCTTCACGCTGACTGGGCTGAAGCCTTCTACACGATATAGGATCTGGCT
GTTGGCCAGCAATGCCCTGGGGGACAGTGGATTGACGGACAAGGGGATCCAGGTCTCCGTCACTACCCCA
GGCCCCGACCAGGCTCCTGAAGACACAGACCACCAGCTGCCCACAGAGCTGCCTCCAGGACCCCCAAGGC
TGCCCCTGCTGCCTGTGCTCTTTGCAGTTGGTGGTCTTCTGCTGCTCTCCAATGCCTCCTGTGTTGGGGG
TCTCCTCTGGCGGAGAAGACTGAGGCGCCTTGCTGAGGAGATCTCAGAGAAGACAGAGGCAGGGTCGGAG
GACAGGATCAGGAATGAATATGAGGAGAGTCAGTGGACTGGGGACCGGGACACGAGAAGCTCCACGGTTA
GCACAGCAGAAGTGGACCCAAATTACTACTCCATGAGGGACTTCAGCCCCCAGCTTCCCCCAACACTGGA
GGAGGTGCTGTATCACCAAGGTGCTGAAGGCGAGGACATGGCCTTCCCCGGACACCTGCATGATGAAGTG
GAGAGAGCCTATGGCCCGCCTGGGGCCTGGGGACCCCTCTATGATGAAGTACGAATGGACCCCTATGACC
TTCGCTGGCCTGAGGTCCAGTGTGAGGATCCGAGGGGAATCTACGACCAGGTGGCAGCAGACATGGATGC
TGTGGAAGCTAGCTCTCTGCCGTTTGAGCTGAGGGGACATCTGGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3129_g02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022628

Insert Size: 3759 bp

OTI Disclaimer:	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. 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.
RefSeq:	NM_022628.1, NP_072150.1
RefSeq Size:	5820 bp
RefSeq ORF:	3759 bp
Locus ID:	64563
UniProt ID:	Q9R044
Cytogenetics:	1q21
Gene Summary:	renal protein localized specifically to glomerular capillary walls; may contribute to the development of proteinuria in renal disease [RGD, Feb 2006]