

## Product datasheet for RN207994

### Nphp4 (NM\_001037650) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nphp4 (NM\_001037650) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nphp4  
**Synonyms:** MGC125230  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN207994 representing NM\_001037650  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGACTGGCACAGAGCCTTACCCAGAACACACTGGTCCCTCCCCACCCGAGAGAGCGGGCAGT  
 TTGGGAAGGAGTCCACGGCGTTCCAGTGCATCCTGAAGTGGCTTGATGGCCACTCATTAAAGCAGGGAAT  
 CCTAGACATGCTGTCTGAGCTTGAATGCCACCTGCGAGTGTCTCTTCGACGTACCTACAACATTTTC  
 TTCGGGAGGACGTGAAAACACAGTGAAGCCCAATCAGCTCTTAAGCAGCCACCCAGGATCTCTCT  
 TCAATGAGCCCTTGACTTCCACACAACCTTGAGCCACCCAGCATCGTGGCTGTAAATAGAAGTGGTCGC  
 TGAAGGCAGGAAGAGGGACGGTGCCTGCAGGTGCTGTCTGTGGGTTTGGAAATCTTCGAATTTTTGGC  
 AATAAGCCGGAATCTCCACCTCTGCAGGCCAGGACAAACGGTTGAGGCTGTATCATGGTACCCCCAGAG  
 CCCTTCTGCACCCACTTCTCCAGGATCCCATAGAACAGAACAGGTACATGACAATGATGGAAAATGTAG  
 CCTGCAGTATACCCTGAAGCCACACCCGCCCTGGAGCCCGCCTTCCACCTGCTCCCCGAGAATCTCTG  
 ATCTCCGGTCTCCAGCAGATCCCTGGCTCCTCCACCTCATGGAGACACGGGTGATGCCCTGAGGAAGC  
 CTCGCTTCCAGAAGCCACCACATTGCACCTAGATGACCTTTCTTACCCTGTACCCCTCCCTGGAGAA  
 GTTTGAGGAGGAACCTGTGCAGCTGCTCATCAGCGACCACTTCCGGGAGGGGTTGGCCTGCTAGATAGC  
 GGCACCCATAGAGGTCTTGAGAGCGCGCCTGCATGTCTGTGTCCACAACGGTCTGGGCTTCGTGCACAGGC  
 CACAGGTGGTTGTGCTTGTACCTGAGATGGACATGACCTTGACGCGCTCGCCAGCTTACGAGGAGAAT  
 CACTGCCTCTTCTAAGAGCAGCTCTGGAAATCAGGCTCTGGTTTTGAGAAGCCACCTGAGACTCCCGGAG  
 ATGGTCAATCACCCATCGTTTGCCATCGTCTTCCAGCTGGAGTACGTGTTCAACAGCCCTCAGGAGCGG  
 ACGGCAGTGCCAGCTCATCCACCTCTGTGCCAGCTTGGCGTGCATGCACATGGTTTCGATGGGCTGTTT  
 GAACCCCGATCTGGAAGCAGGCCCGGAAAGGTGACGCTGCCTTTCAGGGTGGGTACAGCACAAACCC  
 TCACGATGTCTGGTCTATAAGGTGCCTTCGGCTAGCATGAGCTCTGAGGAGGTGAAGCAGGTGGAATCCG  
 GAACCATCCAGTTCCACTTCTCACTGAGCTCAGATGCCCTTACAGAGCATGCCAAGCCCGCCAGGGCAGG  
 GCGGCGCTCCACCAGAAAGGCACTAACGTCCTTTCAGGCACACCAGCACTGGCAGCCCGGGATCTTGCT  
 GCGATACAGGACTCTCTGTGGGCCAGGGCTCTCGCTCTCCAGCTGGCGGCTCCCCACAGTCTCTGG



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CCTCACAAAGATCTTTCAAGCCTCCTCCTCAGCCCTGGATGGCTCTCAGTCCCCAGAGGGTCCCCAGCT  
 CCAAGCAGGATCTGTATTAGAGAGCAGGATCTCTCATCTGGAAGCTGACCTGAGCCAGCCGCCCTTCTCG  
 GTGCAGGGGACGCCACTGTAGAACACCTACAGGAACTCCCTTCACTCCTTTGCATGCCCCATTGTGG  
 TGGGAGCCAGACCAGGAGCTCCAGAAGCCAGCTCTCCAGAGTGCCATGGTCTCTGCAGTCTCCGG  
 CTTCCCTGAGATCCTTGATGCCAGGCAGCAGCCGGTGGAGGCCGTAATCCCATGGATCCTGTGAGGTT  
 AACCTCAGAAGGAGGAGTCAGACTGCCTTCTAGGGAATGAGATCGTGCTGCAGTTTCTTGCCTTCAGCA  
 GAGCGGCCAGGACTGCCCGGGAGCGCTGGCCACAGACTGTGTATTTACCTTCCAGTTCTACCGTTT  
 CCCACCCGAGACCACGCCACGCCTGCAGCTGGTCAAACCTGGACAGGACAGGCAAGAACGGCTCTGCCTCC  
 CTGTCTACATCCTGGTCCACATCAATAAAGACGGCTCCTTTGACGCTGGCTCCCCTGGCTTCCAGCTGA  
 GGTACATGGTGGATCCCGGGTCTCTGAAGCCAGGAGAGCAGCGCTGGTTCGCCAGTACCTGGCCGCTCA  
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 CACCTCCTCCGCCAAGGGCGGCCAGCTGTTCAGGTCTCACATGAACTGGAGGTCGTGGCCACTGAGTACG  
 AACAGGAAATGATGGTGGTGGAGCGGACGTGGCGGGCTTCGGCAGCGTCAAGCCATCGGAGTCCACAC  
 GGTCTGGAAGGGCCGGCTGCACCTGACCTTGGCCAACGTGGGTACAGAGTGTGAACCGAGAGCAAGAGT  
 TCCAACCGCTGCCACCATCCAGTCCCGGGTCACTCAATAATGGAGCCAGCTTCTTCTGCGGGGAA  
 GCCTCCTCATACCAGGAGGCCCAAGCGAAAGCGTGTGGTTCAAGCCAGAAAGCTGGCTGATGTGGACAG  
 TGAGCTGGCCGCCATGCTGCTGACCCACACTCGAGCTGGCCAGGGGCCAGGCTGTGGGCCAGGAGGCA  
 GACGCTGTGCACAGGCGCAAGCTGGAAAGGATGCGGCTGGTGCAGGAGGCCGGAGGGGACTCTG  
 ACAGTCGAGGATCAGCGTGTGGCCGACACAGTGTCCGTGCACAGCACTCACGGGACCTGCAGGTCAT  
 CGACGCTACCGGGAACGGACCAAGGCTGAGAATTGCCAGCGTGTGAGCCAGGCCATCACCACACAC  
 CACACTGTATGCCAGCTGGGCACGGCTGAGTTCTTCGAGTTGCACTTAAAAACCCACACAACACTC  
 AGCACAGGTGGCCATCGAGATTGACAGCCCTGAGCTCAGCATCATCCTGGACAGCCAGGAGTGGAGGTA  
 CTTCAAGGAGGCCACTGGCTGCTCACACCCCTGGAGGAGGACATGTTCCACTGCGTGGGAGCCTGGCA  
 CCCAGCTCTACCTGCGGCCCGGGAGACTGCCACATCCCTTCAAGTTCCAGAACTTCTGTGGGCC  
 CACCTGCTCCGACACAGGCCCTGCGGAGGTGATCTCAGAGAAGGATGCAGAGTCTGGACCCATTGGAA  
 GTGCAGTGCCATGCCTACCAAACACGCCAAGTCTTTTCCGGGTGGAGACCGGCCAGCTCATTGCTGTG  
 CTCTGCCTGACCGTGGAGCCCCAGCCCCAGTGGTGGACCAGGTTTTCCGTTTCTACCACCAGAACTCA  
 CCTTCTGAAGAAGGCCATCCGCTGCCGCCCTGGCACACGTTCCAGGTGCTCCCGTGGGGATGCCTGG  
 CGAGGACCCCCAGTCCACGTTTCGATGCAGCGACCCGAATGTCATCTGCGAGGCCAGAACGTTGGCCTT  
 GGTGAGCCGAGGACGTGTTCTTAAGGTGGCCAGCGGTCCAAGCCGGAGATCAAAGACTTCTTTGTGCG  
 TCATCTATGCGGATCGCTGGCTGGCGGTGCCCGTGCAGACATGGCAGGTCTGCCTCCACTCCTGCAGCG  
 CGTGGATGTCTCCTGTGTGCGAGGGCAGATGACCCGTCTGTCCCTCGTCTACGGGGACGACAGCCGTT  
 AGGAAAGTGAGAGCTTTCACCTCCCACCCTCAGGAGCTGAAGACAGACCCCGCTGGTGTCTTTGTGTTAC  
 CACCTCACGGGGTGCAGGACCTGCATGTGGGCGTGAAGGCAAGGAGGGCGGGCAGCCGTTCCATCCATCT  
 CAACCTGGTGGACGTCGACTACCACCAGCTGGTCCGCTCGTGGCTCGTGTGCCTGTCTGCCGCCAGCCC  
 CTCATTTCCAAGGCCCTTCGAGATCACCATGGCAGCAGGCGAAGGGGAGGGTGCCAACAAGCGGATCACCT  
 ACACCAACCCCTACCCTTCTCGGAGGACCTACCGTCTGCACAGTGACCGGCCAGACCTGCTGCATTTCAA  
 GGAGGACTCCTTCCAGGTGGCCGGAGGGGAGACCTACACCATCGGGCTGCGGTTCTTGCCGAGTGGCAGC  
 GCCGGGCAGGAGGATCCTGATCTACATCAATGACCAGGACGACAAGAATGAAGAGACATTCTGTGTGA  
 AGTCTCTACCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001037650  
**Insert Size:** 4287 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001037650.2, NP_001032739.2</u>
<b>RefSeq Size:</b>	5037 bp
<b>RefSeq ORF:</b>	4287 bp
<b>Locus ID:</b>	313749
<b>Cytogenetics:</b>	5q36