

Certificate of Analysis

Product ID: OHu26289D Lot. No.: 807232281-1/K35396

Product Information:

Gene Symbol: NPHP1 Accession No.: NM_001128179

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1845 bp

Cloning Strategy: CloneEZ Plasmid Size: 7235 bp

Antibiotic Resistance Ampicillin, recommended concentration: 50 µg/ml Amount: 10 µg

Note: * The stop codon has not been included in gene length calculation. And the detail sequence showed in attachment 2

Storage: Store at -20°C
The ORF clone is shipped at room temperature, but should be kept at -20°C for long-term storage.

| QC Items | Specifications | Results | |
|----------------------|---|---------|------------------------------------|
| Sequencing Alignment | Sequencing results are consistent with the targeted insert sequence. | Pass | Consistent |
| Vector Sequence | The flanking sequences of the cloning sites are correct. | Pass | Correct Shown in the SQD file |
| Restriction Digests | The size of inserted fragment is correct and free of unexpected bands suggesting contamination. | Pass | Correct Shown in attachment 1 |
| DNA Quality | Miniprep: 10 µg OD260/280=1.8~2.0 Free of contamination | Pass | ≥ 10 µg OD260/280=1.87 Pure |
| Quality Grade | Research Grade | Pass | Research Grade |
| Appearance | Clear and free of foreign particles. | Pass | Clear Free of foreign particles |
| Additional Test | | N/A | |

Certified by: *Morgan* Date: 03/20/2016

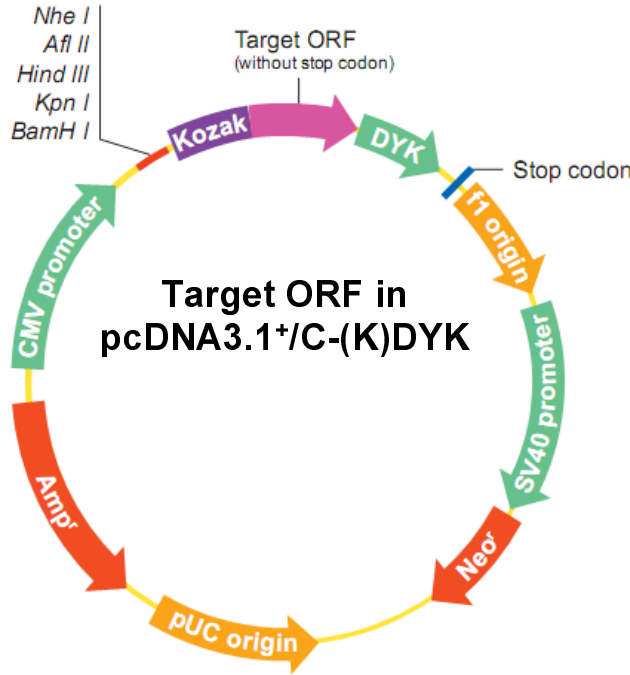
Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at web@genscript.com.

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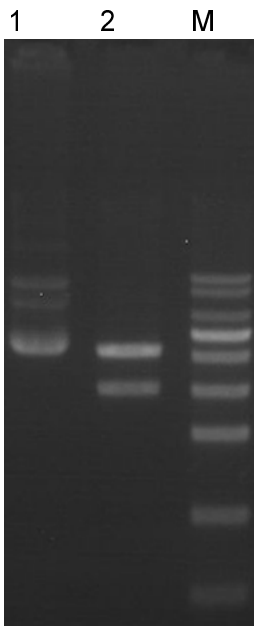
860 Centennial Ave., Piscataway, NJ 08854, USA

Plasmid Construct Map

The ORF was cloned in pcDNA3.1⁺/C-(K)DYK by CloneEZ.

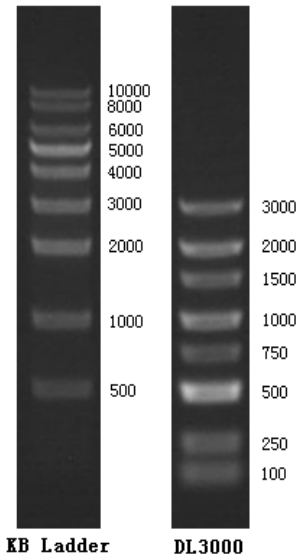


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu26289D plasmid
Lane 2: OHu26289D plasmid digested by HindIII and SmaI

Digestion Conditions:
~ 300ng plasmid digested
Digestion in water-bath, 37°C for 40 minutes
1% Agarose Gel



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Attachment 2

Original ORF Sequence (Including start and stop codons)

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ATGCTGGCGA GACGACAGCG AGATCCTCTC CAGGCCCTGC GCGCGCGCAA TCAGGAGCTG AAGCAACAGG TTGATAGTTT GCTTTCTGAG AGCCAACTGA
AAGAAGCTCT AGAACCCAAT AAAAGACAAC ATATTTATCA AAGAGTTGGG GCACCTACTG AAGAAGAGGA AGAAAGTGAA AGTGAAGATA GTGAAGACAG
TGGTGGGGAG GAAGAAGATG CAGAGGAGGA AGAGGAAGAG AAAGAGGAAA ATGAATCTCA CAAATGGTCA ACCGGTGAAG AATACATCGC TGTGGAGAT
TTTACTGCTC AGCAAGTTGG AGATCTTACA TTTAAGAAAAG GGGAAATTCT CCTGTAATT GAAAAAAAAC CTGATGGTTG GTGGATAGCT AAGGATGCCA
AAGGAAATGA AGGTCTTGTT CCCAGAACCT ACCTAGAGCC TTATAGTGAA GAAGAAGAAG GCCAAGAGTC AAGTGAAGAG GGCAGTGAAG AAGATGTAGA
GGCGGTGGAT GAAACAGCAG ATGGAGCAGA AGTTAAGCAA AGAAGTATC CCCACTGGAG TGCTGTTTCA AAAGCGATTT CAGAGATAAA CACTGTTGAT
GTGTTAACTA CGATGGGAGC TATTCCTGCA GGGTTCAGGC CTTCCACGCT CTCACAGCTT CTGGAGGAAG GGAATCAATT TCGAGCAAAT TACTTCTTAC
AACCAGAGCT CATGCCTTCA CAACTGCCTC TCAGAGATCT GATGTGGGAT GCTACAGAAG GCACTATTAG GTCGAGACCA AGTCGTATTT CATTGATTCT
GACATTATGG AGCTGTAAAA TGATTCCTCT TCCAGGAATG AGCATACAGG TTCTCAGCAG ACATGTACGC CTCTGTCTAT TTGATGGTAA TAAGGTCTCTG
AGCAACATTC ATACAGTCAG AGCCACATGG CAACCTAAAA AGCCCAAAAC ATGGACCTTT TCTCCCAGG TTAICTCGCAT CTTACCATGT TTGCTTGATG
GTGATTGCTT TATCAGGTCT AATTCTGCAT CTCAGATCT TGGAATATTA TTTGAACTTG GAATTTCTTA TATTCGCAAT TCAACTGGTG AAAGAGGAGA
GTAAAGCTGT GGCTGGGTGT TTCTTAAACT TTTTGATGCC AGTGGAGTTC CTATTCCAGC AAAAAGTTAT GAGCTTTTCT TGAATGGTGG TACTCCTTAT
GAAAAAGGTA TTGAAGTGGG CCCTTCAATA TCCAGAAGAG CACACGGCAG TGTTTTCTAC CAGATTATGA CAATGAGAAG GCAGCCTCAA CTTCTAGTGA
AACTGAGATC CTTGAACAGA AGATCAAGAA ATGTAATAAG TCTACTGCCA GAAACATTAA TTGGAAATAT GTGTTCTATT CACTTGTTGA TATTTTATCG
ACAAATTCTT GGAGATGTGC TCCTGAAAGA CAGGATGAGC TTGCAAAGTA CTGATTTAAT TAGCCATCCC ATGCTGGCCA CCTCCCCAT GCTCTTGGAG
CAGCCTGATG TGATGGATGC TCTCAGGAGT TCGTGGGCTG GAAAAGAAAAG CACATTAATA AGATCAGAGA AGAGAGACAA AGAGTTCCTG AAGTCCACGT
TTCTCCTGGT TTACCATGAC TGCGTGTCTC CACTTCTCCA CTCCACACGC CTACCCCAT TCAGGTGGGC AGAAGAAGAG ACTGAGACTG CACGGTGGA
AGTTATCACT GACTTCCTTA AGCAAAACCA AGAAAACCAG GCGCGCCTCC AAGCTCTGCT GTCACCAGAC GGAGTTCATG AACCTTTTGA CCTTTCAGAG
CAGACCTATG ACTTCTGGG TGAAATGAGA AAGAATGCAG TGTGA
  
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