

Product datasheet for **MC216333**

Nphp3 (NM_172460) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nphp3 (NM_172460) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nphp3
Synonyms:	3632410F03Rik; AI550417; C230078J01; D330020E01Rik; pcy
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216333 representing NM_172460
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCACAGCCTCGTCGCTGGTGAAGTCCCACTGGCGGGGAGGTGATCGAGGACACGTACGGGGCAGGCG
 GCGGCGAGGCCTGCGAGATCCCGGTGGAAGTGAACCCAAAGGCCCGCCTGCTGCGCAGCTCGTTCCGCAG
 GGGCGCGGGAGCCGGGCCGGGTGCTGCTCGCGCGGCAAGGGGCGCGGGGCTGCTGGCGCCAGCTTC
 AAGTCCACCGGCTCGTCTGTGCCGAGCTAGAGTATGCGGCGGCCGAGTTCGAGCGGCTCAAGAAAGAGT
 ATGAGATCTTCCGGGTCAGCAAGAACCAGGAGTTGCTGTCCATGGGCCCGGAGAGGCCAAGCTGGACAC
 GGAGAACAAGCGGCTGCGGGCGGAGCTGCAGGCCTTCAGAAAACCTACCAGAAGATACTTCGGGAAAAA
 GAGGGTGCCTTAGAAGCAAAATACCAAGCCATGGAGAGAGCGGTACATTTGAACATGACAGAGACAGGG
 TTTAAAGGCAATTCAAGATTTTTAGGGAAACCAAGAAAATGAAATTCAGGACTTACTGAGGGCCAAGCG
 AGAGTTGGAGAGCAAACCTCAGAGGCTGCAGGCTCAGGGGATCCAAGTTCGACCCTGGGAGTCTGAC
 TCGGATGACAACCTGCACAGATGTCACTGCTGCGGGAACGCAATGTGAGTACTGGGCCAGCAGAGCCCTGG
 GCAGCGAGCATTCCATAGGCAGCATGATCCAGCTCCCGCAGCCTTTCAGAGGCCCCGAGTTCGCCACAG
 TTCTATAGATGTGGAAGGACCCTTTGCAAAATCAACCGAGATGACTGGGACGCTGCTGTAGCTGGTTTA
 TTACAGGCCACACCCTTGTCTCACATTCCTGTGGAGTACCCTGTGAGGTGCTACCTCATCTACACAG
 ATGAAACACAGCCCGAAATGGAAGTGTCTTAAAGGACCATTACCTAAACTTAAAGAATGTGCGAGAC
 AATGGGATATTTCTTCTCGCTGTTATTTCCATTAGATGTTGAAAATCAGTATCTCACTGTAAGAAAA
 TGGGAAATTGAGAAGAGTCTTTAGTTATTTTTCCTTCACTCAACATTACCCAGTTTTTACTGGAAG
 ACTGTGAAGAAGCCTTCTGCAAAACCCAGAAGGAAAGCCAGGATTAATCTACCACGTTTTGGAGGATGG
 GAAAGTCACTTGTGACTCTGTCCAGCAGTTCTGGATCAAGTTTCCAACCTAGGCAAGACCACTAAAGCC
 AAGATCATTGAACACTCCGGAGATCCTGCAGAGGGAGTGTGAAGATTTACGTGGGTGTGAAAAAGATTA
 TTAACAGGTAATATGCGTTTTCTGTAAAGTTTTCTATAAAATAGCTTCATGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172460

Insert Size: 1389 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.

RefSeq: [NM_172460.1](#), [NP_766048.1](#)

RefSeq Size: 2107 bp

RefSeq ORF: 1389 bp

Locus ID: 74025

UniProt ID: [Q7TNH6](#)

Cytogenetics: 9 56.11 cM

Gene Summary: Required for normal ciliary development and function. Inhibits disheveled-1-induced canonical Wnt-signaling activity and may also play a role in the control of non-canonical Wnt signaling that regulates planar cell polarity. Probably acts as a molecular switch between different Wnt signaling pathways. Required for proper convergent extension cell movements. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses a different splice site in the 5' CDS and lacks all of the downstream CDS, compared to variant 1. The resulting protein (isoform b) is much shorter and has a distinct C-terminus when it is compared to isoform a.