

Product datasheet for **MC221122**

Wdpcp (NM_145425) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdpcp (NM_145425) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdpcp
Synonyms:	AV249152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221122 representing NM_145425
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCTTTCTGCTTGACTGAACTACACCTGTGGTCTCTGAAAAGCACCTTACACATTGCGGATAGAGACA
 TCGGCGTCTACCAGTACTATGACAAGAAAGATCCATCAGTATCAGCAACAGAGCATGGTAACTTAGAAGA
 AAAACAAAGGCTGGCAGAATCACGAGATTATCCTTGGACACTCAAAAATAGACGCCAGAAAAAATTCTGA
 GATTCAGTGAAGGAGTTGGAGGAACTGATGCAAAGCAGTCCGTGTGTGCTGAGCAAATGGAAGAGCAAAT
 ACATCTGCCAGCTCCTGTTTGGTTCAGGTGTGCTGGTGTCCCTAAGTCTTTCTGGCCCTCAGCTGGAGAA
 AGTGGTGATTGACAGAAGCCTGGTGGGGAAGCTCATCTCAGACACCATCAGTGATGCTCTCCTTACAGAC
 AGTTTCATCATCTTATCATTTCTGGCACAAAACAACTATGTTTTATTAGTTTACAAAGAAAATGGATT
 CTCTTGATGGAACAAGAGGCTGGAGAACTCTCAGCCTTGGACCTTAAGATTTCTATTATGACATACC
 TGGCCAGCCAACAGGACAATAGATCGTCACTTAGCTGTCAACTCCACTCAGGATCTAGTTGTTTGTGG
 TGGCCGCTGGTCAGTGATGATGTTTGGCCCTGGACTCCAGTTTCTCTGAGAAGGACAGAGCCAATATGC
 TGGTGTGGGCTTTACTCAAGGAGGATTGGAGGTTCTAAGTTTTGTTTCGCACAGAATGGAGTCCCCTGGA
 TGTTCACTTCCGACCAAAACAACCTTATCAGGTGTTTACAGTGGAGTGTCCGTCAGTGTAGACAAGGAG
 CCCATGGCTGACAGCTGATTTTGAATCTGTCCGGAACAACTCCACTGCGTGTGAGTACCAGAATAC
 CACTAAGATCGAAGGCCATCAGCTGTGCGAGAACTCTACGGAAGACAACTGATCGTGGGCTGTGAAGA
 CTCTTCAGTAATCTCTATGAAGCTCACCGTGGTGTGACTCTCCTGGCCAGGCTGAACTTAGGCCTTCA
 TTGATAAGCTGCCACCAAGTGGCGCCATTCTTCTGGTGGCAGCAACCAAGGGGAGCTACAAATTTTTG
 ATATTGCTGTCCCCTATCAACATCCAGCTCTTGGCAGAAGATTACTCACCGAAGGAGACTCTGCAAT
 CAAGAAGTCTTTGATGTTTCAAGCAGTCTTGTCAAATGCAGTGGATGGCTCCTCCTGTTGTTTTCCAG
 AAGCCTAAAAGAGGAGAAATCTGTGATCTTCTTCTCAGTTCACAAAGGACCTTTGGGTGTGCTAC
 TGTTTAAACTTGGCATCCTCACACGAGGACAACCTGGCCCTGGTAGACCTCATCTTACAGTACATTACTA
 CAGTGAGGTATATGAGGCCATCAGCATCCTGCGCAGCATGGACTGGGACACCCTGGGCCAGCAGTGTG
 ATCGGCATGGGCACCATCGTGAACCATCTTCTTAGACAGAGGCTCACACCAGAGAGAGAAGCACAGCTT
 AGGCGAGCCTTGGAACTTCTATGCTCCAACAAGACCCTTCTGGATACTAATTTTTGGAATATAGAGA
 GCCAGTCAGCAAGTATGCCAGGAGGCTCTCCACCACCTGCTCAGGTACAAGAGATTTGAAAAGGCCTT
 CTTCTAGCTGTTGACATTGGAGCTCGTGACCTGTTTATGACATTCACTTACCTTGTCTAGATATGGGT
 AACTGGCACTGGCTGAAGTGGCAAGAAGAAGGGCGCATGATATTGATGTTGAGTCAATCCTCTGGAGT
 CGAGCTCCTGGGCCCTTGGACAGAAGAGACATGCTGAATGAAGTTTTGCCAGCTCAGCTCTATGCCCT
 GAAGGAGAAAAACAAGTTTCCAGGCCTTCTTCTCCATTGGTTCAACACACATGCAAACCTTCAACAGA
 AAATACCAATGGCCCTTCAAGCAGATGGGCAATTGAGAGAAGGACTGAGGAAGAAGAGGAGGAGGAGGA
 GGAGGAAGAGGAGGAGTTATGCACTGACTCTTCCAGGGCCACCACCTGGAATGCAGAAGGAGAACTGAAA
 GAAGACCAAGGAAACAGGACATTGGAGATGTTGGTCTCTCAGAATGGTTCACCTTGGTTTGGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145425

Insert Size: 2169 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:	<ol style="list-style-type: none">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_145425.3 , NP_663400.2
RefSeq Size:	2443 bp
RefSeq ORF:	2169 bp
Locus ID:	216560
UniProt ID:	Q8C456
Cytogenetics:	11 13.9 cM
Gene Summary:	Probable effector of the planar cell polarity signaling pathway which regulates the septin cytoskeleton in both ciliogenesis and collective cell movements. Together with FUZ and WDPCP proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies (PubMed:27158779).[UniProtKB/Swiss-Prot Function]