

Product datasheet for **RN215650**

Wdpcp (NM_001127537) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdpcp (NM_001127537) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wdpcp
Synonyms:	RGD1309501
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215650 representing NM_001127537
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTCTGCTTGACTGAACTGCACCTGTGGTCTCTGAAAAGCACCTTACACATTGCGGATAGAGACA
 TCGGCGTCTACCACTACTATGACAAGAAAGATCTACCAGTATCAGCAGCAGAGCATGGTAACTTAGAAGA
 AAAACAAAGGCTGGCAGAATCACGAGATTATCCTTGGACACTCAAAAATAGACGCCAGAAAAAATTCTGA
 GATTCAGTAAAGAGTTGGAGAACTGATGACAACAGTCAGTGTGTGCTGTGCCAATGGAAGAGCAAAC
 ACATCTGTGAGCTCCTCTTTGGTTCAGGTGTGCTGGTGTCCCTAAGCCTTCTGGGCTCAGCTGGAGAA
 AGTGGTGATTGACAGGAGCCTGGTGGGGAAGCTCATCTCAGACACCATCAGTGTGCTCTCCTTACAGAC
 AGTTTCATCATCTTATCATTCTGGCACAAAACAAATTATGTTTTATTCAATTTGCAAAGAAGATGGATT
 CTCTTGATGTAACAAGAGGTTGGAAAAGCTCTCAGCCTTGATTATAAGATTTCTACCATGACATAACC
 TGGCCAGCCACCAGGACAGTAGATCGTCACTTAGCCATCAACTCAGGATCTAGCTGTTTGTCTGG
 TGGCCTCTGCTCAGCGATGATGCTTGGCCTTGGACTCCGATCGCTTCTGAGAAGGACAGAGCCAATATGC
 TGCTCCTGGGCTTACTCAAGGAGGATTGGAGGTCCTGAGCTCTGTTCCGACAGAATGGAATCCTCTGGA
 TGTTCACTTTGGCACCAGACAACCTTATCAGGTGTTACAGTGGAGTGTCTCCTCAGTGTAGACCAGGAG
 CCCATGGCTGACAGCTGTATCTACGAGTCTGTCCGGAACAACTCCATTGCGTGTGAGTACTAGAAATAC
 CACTAAGTCTGAAGGCCATCAGCTGTGTAAGAATTCTACGGAAGACAACTGATTGTGGGCTGTGAAGA
 CTCGTCGTAATTCTCTATGAAGCTCACCGTGGAGTACTCTTGGCCAGGCTGAACTTATGCCTTCA
 TTAATAAGCTGCCACCAAGTGGTGCCTCTGCTGGTGGCAGCAACCAAGGGAATTACAAGTTTTTG
 ACATTGCTGTCCCCTATCAACATCCAGCTCTTGGCAGAAGATTGCTTACCAAAGGAGACTCTGCAATT
 CAATAAATCTTTGATTTTTCCAGCAGTCTTGTTCATATGCAGTGGATAGCTCCTCCATTGTTTTCCAG
 AAGCCTAAGAGAGGAGAAATCTGTGATCTCCTCTCCTCAGGTTCAACAGAGGACCTTTGGGTGTGCTGT
 TGTTAAACTTGGTGTCTCAGGCGAGGCGAGCTGGGCTGGTGGACCTTATCTCCAGTACATTCACTG
 TGATGAGGTGTACGAGGCCGTACGCTTCTGAGCAGCATGAACTGGGACACCCTGGGGCAGCAGTCTTC
 ATCAGCATGAGCACCATTGTGAACCATCTTCTCAGACAGAGGCTCACTCCGGAGAGGGAAGCACAGCTTG
 AGGCAAGCCTTGAACCTTCTATGCTCCAGCGAGACCGCTTCTGGATACTAAGTGTCTGGCATAAGAGA
 CCCGGTTGGCACGTACGCCAGGAGGCTTCCACCACTTGCTCAGGTACCAGAGATTTGAAAAGGCCTTT
 CTTCTAGCGGTTGACATTGGAGCTCGTGACCTGTTTCATGGATATTCATTACCTTGCCTGGATATGGGTG
 AGCTGGCACTGGCTGAAGTGGCAAGAAGAAGGGCAGATGACATTGATGTGAGTCAAGTGTCTGAGT
 CGAACTCCTGGGACCTTGGACAGAAGAGACATGCTGAATGAAGGTTTTGCCGGCTCAGCTTAAACCT
 GAAGGAGGAAACCCATTTCCAGACCTTCTTCTCCAGTGGTTCAACACCAAGCATACTATTCAACAGA
 AAATACCAATGGCCCTTCAAACAGACGGGCAATTGAAAGAAAGAATGAGGTGATGGAGGAGACAGAGGA
 GGAAGAGG
 GGAGAAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 GTTTGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001127537
Insert Size: 2181 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:	<u>NM_001127537.1, NP_001121009.1</u>
RefSeq Size:	2646 bp
RefSeq ORF:	2181 bp
Locus ID:	305552
UniProt ID:	<u>B1WC10</u>
Cytogenetics:	14q22
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 (By similarity).[UniProtKB/Swiss-Prot Function]