

Product datasheet for **SC311489**

WDPCP (NM_001042692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDPCP (NM_001042692) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDPCP
Synonyms:	BBS15; C2orf86; CHDTHP; CPLANE5; FRITZ; FRTZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

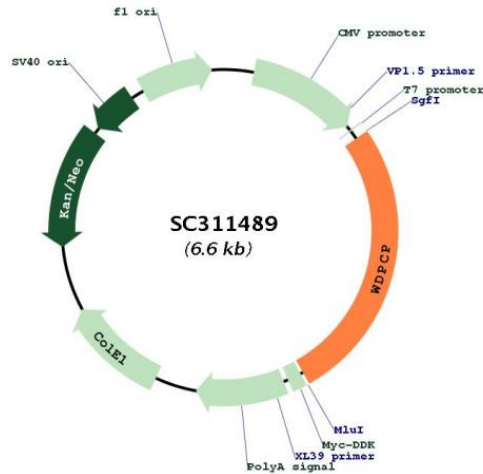


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Fully Sequenced ORF: >SC311489 representing NM_001042692.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTTTCGTCTACATTCAGCTCTTCTCACAGACAGTTTTATCATCTTATCATTTTTTGGCACAAAAC
AAACTATGTTTTTATTCAGTTTACCAAGAAGATGGAGTCTTCTGATGTAACAAAAGACTGGAAAACTC
TCAGCCTTGGATTATAAGATTTTCTATTATGAAATACCCGGCCAATAAACAAGACAACAGAGCGACAT
CTAGCTATCAACTGTGTTTCATGATAGAGTTGTTTCTGTTGGCCACTGGTCAACGATGATGCTTGGCCT
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GCCATTCTGCTAGTTGGCAGCAACCAAGGGGAGTTGCAAATTTTGGATATGGCTCTATCCCTATTAAC
ATCCAACCTGTTGGCTGAAGACCGCTTACCAGGGAGACTCTGCAATTCAGTAAATATTTGATGCCTCC
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GGTGGTCTCTCAAATGATTCATTTGGTCTGGTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001042692

Insert Size: 1764 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001042692.2](#)

RefSeq Size: 2511 bp

RefSeq ORF: 1764 bp

Locus ID: 51057

UniProt ID: [O95876](#)

Cytogenetics: 2p15

MW: 66.7 kDa

Gene Summary: This gene encodes a cytoplasmic WD40 repeat protein. A similar gene in frogs encodes a planar cell polarity protein that plays a critical role in collective cell movement and ciliogenesis by mediating septin localization. Mutations in this gene are associated with Bardet-Biedl syndrome 15 and may also play a role in Meckel-Gruber syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Transcript Variant: This variant (1) lacks several 5' exons but contains an alternate 5' terminal exon, and it thus differs in its 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 2. The encoded isofo