

Product datasheet for **RC230319**

ODF2L (NM_001184766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ODF2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC230319 representing NM_001184766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAAGGCTGTAATGATGGAAGTCATTGAGAAGAACTCTTTGCCATCTTAAACTATATCAGAGA
 AAGAAGATTACCACGGGTGACCAAGTGAAGTCACTCAGCTGCCTGAAGCAGGACATTCTAAATGAAAA
 GACTGAATTGGAAGCAACACTTAAGGAAGCGGAGTTGGTAACCTATTCTGTAGAATTGCTTTGCCACTA
 TTTAAGGACACCATTGAAAAGATTATTTTGAAGATGCGAATCTTTCTGCATTGAATTTGAAGATTTCTG
 AACAGAAGGAAATATTAATAAAGAATTAGACACCTTCAAAAGTGTAAACTAGCTTTAGAACATCTTCT
 TAGAAAGAGAGACTACAAACAAACAGGAGACAATTTATCCAGCATGTTGCTAGAAAACTAACTGATAAT
 GAAAGTGAAAACTAATCTTAAGAAGAAGGTATTTGAAAAGGAGGCCATATCCAAGAAGTTTCTTGTT
 TGTTTCAGAGTGAAAAGCAAATCTTTGAAAGCAAACCGTTTTTCCCAATCAGTAAAAGTAGTACATGA
 ACGACTACAGATCCAAATTCATAAAGGGAAGCCGAGAACGATAAGTTGAAAGAATATGTAAGAGCTTA
 GAAACCAAGATAGCCAAGTGGAACCTGCAATCAAGAATGAATAAGAATGAGGCTATAGTGATGAAAGAAG
 CAAGTAGGCAAAAACTGTAGCTTTAAAAAGGCATCTAAAGTTTACAAACAAAGGCTTGACCATTTTAC
 AGGAGCTATTGAAAAGCTTACTTCCCAATTAGAGATCAGGAAGCCAAGTTGTCTGAAACAATTTAGCT
 TCCAATGCCTGGAAGTCAATTATGAGAAAATTGTGATAGAAAAACCGAATTGGAAGTACAGATTGAAA
 CAATGAAAAAGCAAATCATTAATCTTTTGAAGATCTGAAGAAAAATGGAAGACCATGGAAAAATTCATG
 TGAAGAAATCTTAGAAAAAGTCACTCAATTGAATATGAAAATGAACTCTGAATCTTGAGAATACAAAA
 TTAAAGACTACACTTGCTGCTTTGAAGGATGAAGTTGTATCTGTTGAAATGAACTCTCAGAATTGCAAG
 AAGTAGAAAAAAACAGAAAACCTTATTGAAATGTATAAACTCAGGTACAAAAGTTGCAAGAAGCAGC
 TGAAATAGTAAAAAGCAGATGTGAAAATTTGCTACATAAAAAATAACCAATAACAAAAACCAAAAAATAA
 AATGTAGAGAAGGTTGATGGAATCACAATCTTCTGACAAAGCTTTCTCTGGAAGAGGAAAACTGTCTTA
 TTCAGCTGAAGTGTGAAAACCTTCAACAAAAATTAGAACAGATGGACGCAGAAAAATAAGAGCTTGAGAA
 GAAGCTGGCAACCAAGAAGAATGTCTTAAGCACAGCAATCTTAAGTTTAAAGAGAAATCTGCAGAGTAT
 ACAGCATTTGGCCAGACAACTGGAAGCTGCTTTAGAAGAAGGAAGCAAAAAGGTTGCTGAAGAAATAGAGA
 AAATGTCATCTAGAGAGAGTGCTTTACAAATTAATAATTAGATCTGGAAGTGAAGCTTAGAAGAAAAA
 TGAAGAACAAATCAACTTGTGCAAAATGAACAGTAAAGCACACATCAGGAAGTGTGTTGAAAGAA
 GTACAAATAGTCTTGAGAAGTCGAAAAATCAAAATGAGAGTATTAAGAATTATTTACAGTTCTTAAAA
 CTTCTTATGTAACATGTTTGA

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230319 representing NM_001184766
 Red=Cloning site Green=Tags(s)

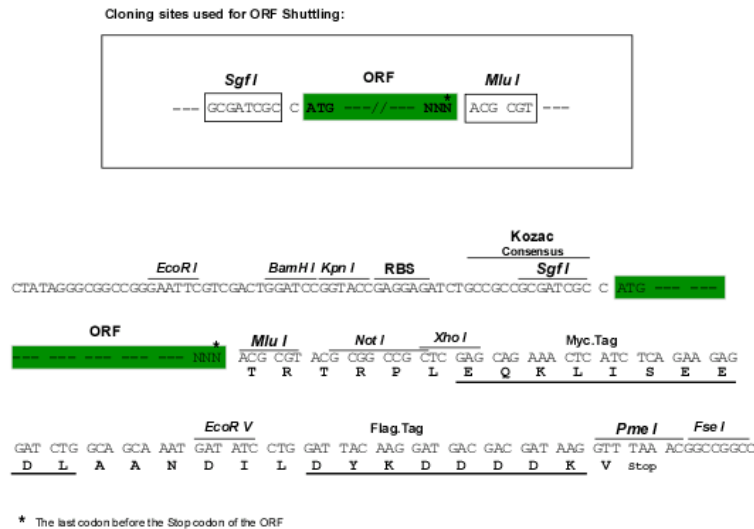
MEKAVNDGSHSEELFCHLKTISEKEDLPRCTSESHLSCLKQDILNEKTELEATLKEAELVTHSVELLPL
 FKDTIEKINFENANLSALNLKISEQKEILKELDTFKSVKLALHLLRKRDKYQTDNLSSMLLENLTDN
 ESENTNLKKVFEKEAHIQELSLFQSEKANTLKRFSQSVKVVHERLQIQIHKREAENDKLKEYVKS
 ETKIAKWNLSRMNKNEAIVMKEASRQKTVALKKASKVYKQRLDHTGAEKLTSGIRDQEAKLSETISA
 SNAWKSHYEKIVIEKTELEVQIETMKQIINLLEDLKKMEDHGKNSCEEILRKVHSIEYENETLNLENTK
 LKTTLAALKDEVSVENELSELQEVKKQKTLIEMKYTQVQKLQEAEEIVKSRCEILLHKNQITKTNNK
 NVEKVDGNHNLTKLSLEEENCLIQKCNENLQKLEQMDAENKELEKKLANQEECLKHSNLKFKEKSAEY
 TALARQLEAALEEGRQKVAEEIEKMSSRESALQIKILDLETELKKNEEQNLVCKMNSKAHQEVCLKE
 VQNSLEKSENQNESIKNYLQFLKTSYVTMFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8068_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001184766

ORF Size: 1773 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

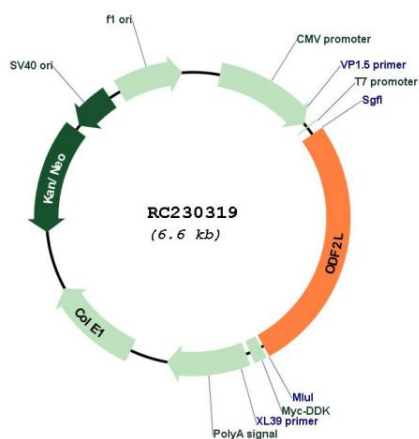
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001184766.1](#), [NP_001171695.1](#)

RefSeq ORF:	1776 bp
Locus ID:	57489
UniProt ID:	Q9ULJ1
Cytogenetics:	1p22.3
MW:	69.1 kDa
Gene Summary:	Acts as a suppressor of ciliogenesis, specifically, the initiation of ciliogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230319