

Product datasheet for **RC217409**

ODF2L (NM_001007022) Human Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ODF2L (NM_001007022) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ODF2L |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide
Sequence:

>RC217409 representing NM_001007022
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAAGGCTGTAATGATGGAAGTCATTCAGAAGAACTCTTTGCCATCTTAAACTATATCAGAGA
AAGAAGATTTACCACGGTGTACCAGTGAAGTCATCTCAGCTGCCTGAAGCAGGACATTCTAAATGAAAA
GACTGAATTGGAAGCAACACTTAAGGAAGCGGAGTTGGTAACTATTCTGTAGAATTGCTTTGCCACTA
TTTAAGGACACCATTGAAAAAGTAAATTTGAAAATGCGAATCTTTCTGCATTGAATTTGAAGATTTCTG
AACAGAAGGAAATATTAATAAAAGAATTAGACACCTTCAAAGTGTAAAAGTGTAACTAGCTTTAGAATCTTCT
TAGAAAGAGAGACTACAAACAAACAGGAGACAATTTATCCAGCATGTTGCTAGAAAATCTAACTGATAAT
GAAAGTGAATACTAATCTTAAGAAGAAGGTATTTGAAAAGGAGGCCATATCCAAGAATTTCTTGTT
TGTTTCAGAGTGAAGGCAAACTTTGAAAGCAAACCGTTTTCCCAATCAGTAAAAGTAGTACATGA
ACGACTACAGATCCAAATTCATAAAAGGAAGCCGAGAACGATAAGTTGAAAGAATATGTAAGAGCTTA
GAAACCAAGATAGCCAAGTGAACCTGCAATCAAGAATGAATAAGAATGAGGCTATAGTGATGAAAGAAG
CAAGTAGGCAAAAACTGTAGCTTTAAAAAGGCATCTAAAGTTTACAAACAAAGGCTTGACCATTTTAC
AGGAGCTATTGAAAAGCTTACTTCCCAATTAGAGATCAGGAAGCCAAGTTGCTGAAAACAATTTAGCT
TCCAATGCCTGGAAAAGTCATTATGAGAAAATTGTGATAGAAAAACCGAATTGGAAGTACAGATTGAAA
CAATGAAAAGCAAATCATTAACTTTTGGAGATCTGAAGAAAATGGAAGACCTGGAAAAAATTCATG
TGAAGAAATCTTAGAAAAGTTCACCTCAATTGAATATGAAAATGAAAATCTGAATCTTGAGAATACAAA
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TTTGCTACATTTCTGAAAAGACTACACTTGCTGCTTTGAAGGATGAAGTTGTATCTGTTGAAAATGA
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GGGAGTGTGACAGACCAGGAACACACCATTAGGGAGCTTACGGGCCAGGTTGATGGAAATCACAATCTT
TGACAAAGCTTTCTGGAAGAGGAAAAGTGTCTTATTCAGCTGAAGTGTGAAAACCTTCAACAAAAAT
AGAACAGATGGACGCAGAAAATAAAGAGCTTGAGAAGAAGCTGGCAAACCAAGAAGATGTCTTAAGCAC
AGCAATCTTAAGTTTAAAGAGAAATCTGCAGAGTATACAGCATTGGCCAGACAACCTGGAAGCTGCTTTAG
AAGAAGGAAGACAAAAGGTTGCTGAAGAAATAGAGAAAATGTATCTAGAGAGAGTCTTTACAAATTA
AATATTAGATCTGAAAAGTGTAGCTTAGAAAAGAAAATGAAGAACAAAATCAACTGTTTGCAAAATGAAC
AGTGATCCAGAGACTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217409 representing NM_001007022
 Red=Cloning site Green=Tags(s)

MEKAVNDGSHSEELFCHLKTISEKEDLPRCTSESHLSCLKQDILNEKTELEATLKEAELVTHSVELLLPL
 FKDTIEKINFENANLSALNLKISEQKEILIKELDTFKSVKLALEHLLRKRDKYQTDGDLSSMLLENLTDN
 ESENTNLKKKVFKEKAHIQELSCLFQSEKANTLKANRFSQSVKVVHERLQIQIHKREAENDKLKEYVKS
 ETKIAKWNLQSRMNKNEAIVMKEASRQKTVALKKASKVYKQRLDHFTGAIKELTSQIRDQEAKLSETISA
 SNAWKSHYEKIVIEKTELEVQIETMCKQIINLLEDLKKMEDHKGNSCEEILRKVHSIEYENETLNLENTK
 LKLRFPKRITESKNMNILIVLDMLCYISSEKTTLAALKDEVVSVENELSELQEVEKKQKTLIEMKYTQVQ
 KLQEA AEIVKSRCE NLLHKNNQITKTKNKNVEKMRGQMESHKELERVCDLSLTA AERRLHECQESLQCKK
 GKCADQEHTIRELQGQVDGNHLLTKLSLEEENCLIQKCNLQKLEQMDAENKEKLANQEECLKH
 SNLKFKEKSAEYALARQLEAALEEGRQKVAEEIEKMSSRESALQIKILDLETELRRKNNEEQNLVCKMN
 SDPETP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

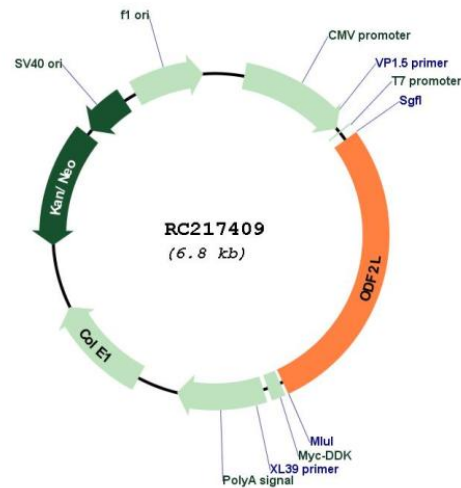
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007022

ORF Size: 1908 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.

RefSeq: [NM_001007022.3](#)
RefSeq Size: 4380 bp
RefSeq ORF: 1911 bp
Locus ID: 57489
UniProt ID: [Q9ULJ1](#)
Cytogenetics: 1p22.3
MW: 73.7 kDa
Gene Summary: Acts as a suppressor of ciliogenesis, specifically, the initiation of ciliogenesis.
[UniProtKB/Swiss-Prot Function]