

Product datasheet for **MC218306**

Odf2l (NM_001162539) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Odf2l (NM_001162539) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Odf2l |
| Synonyms: | 4733401D09Rik; 9630045K08Rik; D3Erttd250e |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC218306 representing NM_001162539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATGCCTACTAGTGATGGAAGTCTTTCAGAGGGCCTGATTCTTATCTCATCCGGGAGAGAGGAT
 CTGCTCCACAGTGTGCCCTGAGAAGCACCTCAGCAGGCTCAAGCAAGAGTCGCAAAATACAAAGATGGA
 GTTGAAAGCAACGCTTAAGGAAGCTCAGTTGGCATCCTGTTCAAGTTGAATTACTTTTCCATTATTTAAG
 AACACTGTGGAAGGAATTAGTCTAGAAAACATAGGAGACAGCTTGCTATGCTTGTGAAGGATCTCAGTG
 ACAATGAAAGTGAGAACGAAACCTTGAGGAAAAAGTACTTGAAAAGGAGACCTATATCCGTGAACCTCTC
 GTGTCTGTTTCAGAATGAAAAGGAAAGTCTTTGAAAGCAAACAGGCTTTCTCAATCAGTCAAAGTAGTG
 CACGATCGTCTACAGCGCCAAATTCAGAAGAGGGAAGCTGAGAATGAAAAGCTAAAAGAACATGTACAGA
 GCTTGAAACCCAAATAGCCAAGTGAAGTGCAGGTGAAAATGAATAAGCAAGAGGCTGTAGCCATCAA
 GGAAGCAAGTCGGCAAAGGCTGTAGCTCTGAAAAAGCATCGAAAGGTACAGACAAAGGCTGCGACAC
 TTCACAGGGGATATCGAGCGCCTCGCCTCCAAGTCAGAGATCAGGAAGCCAAGCTGTCTGAAACAGTTT
 CAGCTTCCAGTGACTGGAAGGTCAGTTCGAGAAAATTGCCATAGAAAAAAGTGAAGTGCAGAT
 CGAAACAATGAAAAGCAAAATCGCTAACCTTTTGGAAAGCTTGAGAAAAATGAAACTCATGGGAAAAAC
 TCATGTGAAGAAATTCCTAGAAAACCTCACTCACTGGAAGATGAAAATGAAGCCCTAAATATTGAGAATG
 TGAATTAAGGGTACACTTGATGCCTGAAGGATGAAGTTGCTTCTGTTGAAAATGAAGTGTAGAACT
 GCAAGAAGTAGAAAAACGACAAAAACCCTCGTCGAAGGATACAGGACTCAGGTACAAAAGTTGCAAGAA
 GCAGCTGAAATGGTAAAAGTAGATGCAAAAATTTACTACATGAAAATAACCTAATAAACAAGTAAAA
 ACAAAAAGTTAGAGAAGTTGATGGAAACCAAGCCTTCTGACCAAGCTTCTCTTGAGGAAAGAAATCA
 TCTCATTCAAGTTAAAGTGTGAGAACCTTAAAGAGAAACTAGAGCAGATGGATGCAGAGAATAAAGAGCTT
 GAGAAGAAGCTGGCCGACCAAGAGGAGTGTCTCAAGCACAGTGACCTGGAGCTGAAAAGAGAGGCTGCAG
 AGTACACAGCCCTGTCCAGGCAACTGGAAGCCGCTTTGGAAGAAGGAAGACAAAAGGTTTCAAGAAGT
 AGAGAAAAATGTCATCTAGAGAGAGGGCTTTACAAATTAATAATTAGATCTGGAAGCTGAGCTTAGAAAG
 AAAAATGAAGAACAAAACCAACTTGTGACAAGATGAACACTAAAACCCAGCACCAGGCTATCTGCTTGA
 AGGAAATACAGCACAGCCTTGAGAAGTCGGAGACTCGGAATGAGAGCATTAGAATTACTGCAGTTTCT
 TCAAATTCCTATGTAACGATGTTAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001162539

Insert Size: 1641 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:

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_001162539.1](#), [NP_001156011.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1641 bp

Locus ID: 52184

UniProt ID: [Q9D478](#)

Cytogenetics: 3 69.36 cM

Gene Summary: Acts as a suppressor of ciliogenesis, specifically, the initiation of ciliogenesis.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) lacks two in-frame exons in the coding region compared to variant 1. This results in a shorter protein (isoform 3) compared to isoform 1.