

Product datasheet for **MR208698**

Odf2l (NM_001162539) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf2l (NM_001162539) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Odf2l
Synonyms:	4733401D09Rik; 9630045K08Rik; D3Ert250e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208698 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGATGCCTACTAGTGATGGAAGTCTTTCAGAGGCGCTGATTCTTATCTCATCCGGGAGAGAGGAT
 CTGCTCCACAGTGTGCCCTGAGAAGCACCTCAGCAGGCTCAAGCAAGACGTGCGAAATACAAAGATGGA
 GTTGAAAGCAACGCTTAAGGAAGCTCAGTTGGCATCCTGTTCAAGTTGAATTACTTTTGCCATTATTTAAG
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 ACAATGAAAGTGAGAACGAAACCTTGAGGAAAAAGTACTTGAAAAGGAGACCTATATCCGTGAAGTCTC
 GTGTCTGTTTCAGAATGAAAAGGAAAGTCTTTGAAAGCAAACAGGCTTTCTCAATCAGTCAAAGTAGTG
 CACGATCGTCTACAGCGCCAAATTCAGAAGAGGGAAGCTGAGAATGAAAAGCTAAAGAACATGTACAGA
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 GGAAGCAAGTCGCAAAAGGCTGTAGCTCTGAAAAAGCATCGAAAGGTACAGACAAAGGCTGCGACAC
 TTCACAGGGGATATCGAGCGCCTCGCCTCCAAGTCAGAGATCAGGAAGCCAAGCTGTCTGAAACAGTTT
 CAGCTTCCAGTGACTGGAAGGTCAGTTCGAGAAAATTGCCATAGAAAAAAGTGAAGTGCAGAT
 CGAAACAATGAAAAGCAAAATCGCTAACCTTTTGAAGACTTGAGAAAAATGGAAGTCAATGGGAAAAAC
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 AAAATGAAGAACAAAACCAACTGTTGACAAGATGAACACTAAAACCCAGCACCAGGCTATCTGCTTGA
 AGGAAATACAGCACAGCCTTGAGAAGTCGGAGACTCGGAATGAGAGCATTAGAATTACTGCAGTTTCT
 TCAAAATTCCTATGTAACGATGTTTGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208698 protein sequence
 Red=Cloning site Green=Tags(s)

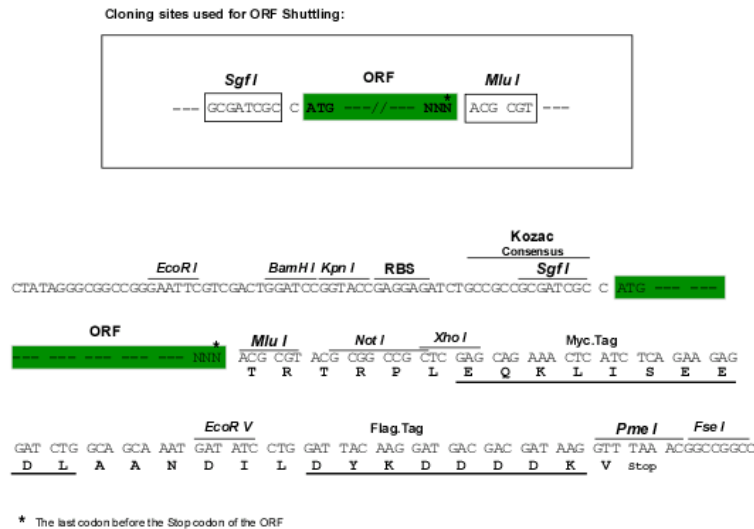
MEMPTSDGSLSEGLISYLIRERGSAPQCAPEKHL SRLKQDVANTKMELKATLKEAQLASCSVELLLPLFK
 NTVEGISLENIGDSLCLLLKDLSDNESENRLNLEEKVLEKETYIRELSCLFQNEKESALKANRLSQSVKVV
 HDRLQRQIQKREAENEKLKEHVQSLETQIAKWNLQVKMNKQEAVAIKEASRQKAVALKKASKVYRQRLRH
 FTGDIERLASQVRDQEAKLSETVSASSDWKSQFEKIAIEKTELEVQIETMKKQIANLLEDLRKMETHGKN
 SCEEILRLHSLLEDENEALNIENVKLKGLDALKDEVASVENELVELQEVEKRQKTLVEGYRTQVQKLQE
 AAEMVKSRCNNLLHNNLIITNKNKKLEKVDGNQSLTTLKLSLEENHLIQLKCENLKEKLEQMDAENKEL
 EKKLADQEECLKHSDLELKEAAEYALSRQLEAALEGRQKVSEEEVKMSSRERALQIKILDLEAELRK
 KNEEQNQLVDMNTKTQHQAICLKEIQHSLEKSETRNESIKNYLQFLQISYVTMFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001162539

ORF Size: 1638 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_001162539.1](#), [NP_001156011.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1641 bp

Locus ID: 52184

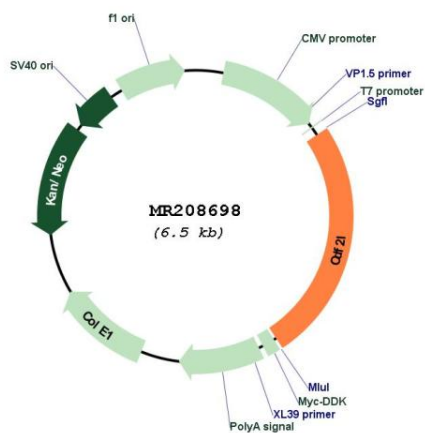
UniProt ID: [Q9D478](#)

Cytogenetics: 3 69.36 cM

MW: 63 kDa

Gene Summary: Acts as a suppressor of ciliogenesis, specifically, the initiation of ciliogenesis.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208698