

Product datasheet for **MG208698**

Odf2l (BC020075) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf2l (BC020075) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Odf2l
Synonyms:	4733401D09Rik; 9630045K08Rik; D3Ert250e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208698 representing BC020075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATGCCTACTAGTGATGGAAGTCTTTCAGAGGCGCTGATTCTTATCTCATCCGGGAGAGAGGAT
 CTGCTCCACAGTGTGCCCTGAGAAGCACCTCAGCAGGCTCAAGCAAGACGTCGCAATACAAAGATGGA
 GTTGAAAGCAACGCTTAAGGAAGCTCAGTTGGCATCCTGTTCAAGTTGAATTACTTTTGCCATTATTTAAG
 AACACTGTGGAAGGAATTAGTCTAGAAAACATAGGAGACAGCTTGCTATGCTTGTGAAGGATCTCAGTG
 ACAATGAAAGTGAGAACAGAAACCTTGAGGAAAAAGTACTTGAAAAGGAGACCTATATCCGTGAAGTCTC
 GTGTCTGTTTCAGAATGAAAAGGAAAGTCTTTGAAAGCAAACAGGCTTTCTCAATCAGTCAAAGTAGTG
 CACGATCGTCTACAGCGCCAAATTCAGAAGAGGGAAGCTGAGAATGAAAAGCTAAAGAACATGTACAGA
 GCTTGAAACCCAAATAGCCAAGTGGAAGTGCAGGTGAAAATGAATAAGCAAGAGGCTGTAGCCATCAA
 GGAAGCAAGTCGCAAAAGGCTGTAGCTCTGAAAAAGCATCGAAAGGTACAGACAAAGGCTGCGACAC
 TTCACAGGGGATATCGAGCGCCTCGCCTCCAAGTCAGAGATCAGGAAGCCAAGCTGTCTGAAACAGTTT
 CAGCTTCCAGTGACTGGAAGGTCAGTTCGAGAAAATTGCCATAGAAAAAAGTGAAGTGCAGAT
 CGAAACAATGAAAAGCAAAATCGCTAACCTTTTGAAGACTTGAGAAAAATGAAACTCATGGGAAAAAC
 TCATGTGAAGAAATTCCTAGAAAACCTCACTCACTGGAAGATGAAAATGAAGCCCTAAATATTGAGAATG
 TGAAATTAAGGGTACACTTGATGCCTTGAAGGATGAAGTTGCTTCTGTTGAAAATGAAGTGTAGAACT
 GCAAGAAGTAGAAAAACGACAAAAACCTCGTCGAAGGATACAGGACTCAGGTACAAAAGTTGCAAGAA
 GCAGCTGAAATGGTGAAGTAGATGCAAAAATTTACTACATGAAAATAACCTAATAAACGAATAAAA
 ACAAAAAGTTAGAGAAGTTGATGGAACCAAGCCTTCTGACCAAGCTTTCTCTTGAGGAAGAAAAATCA
 TCTCATTCAGTTAAAGTGTGAGAACCTTAAGAGAGAACTAGAGCAGATGGATGCAGAGAATAAAGAGCTT
 GAGAAGAAGCTGGCCGACCAAGAGGAGTGTCTCAAGCACAGTGACCTGGAGCTGAAAGAGAAGGCTGCAG
 AGTACACAGCCCTGTCCAGGCAACTGGAAGCCGCTTTGGAAGAAGGAAGACAAAAGGTTTCAGAAGAAGT
 AGAGAAAATGTCTCTAGAGAGAGGGCTTTACAAATTAATAATTAGATCTGGAAGCTGAGCTTAGAAAG
 AAAATGAAGAACAAAACCAACTTGTGACAAGATGAACACTAAAACCCAGCACCAGGCTATCTGCTTGA
 AGGAAATACAGCACAGCCTTGAGAAGTCGGAGACTCGGAATGAGAGCATTAGAATTACTGCAGTTTCT
 TCAATTTCTATGTAACGATGTTTGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208698 representing BC020075
 Red=Cloning site Green=Tags(s)

MEMPTSDGSLSEGLISYLIRERGSAPQCAPEKHL SRLKQDVANTKMELKATLKEAQLASCSVELLLPLFK
 NTVEGISLENIGDSLCLLDLSDNESENRLNLEEKVLEKETIYREL SCLFQNEKESALKANRLSQSVKVV
 HDRLQRQIQKREAENEKLKEHVQSLETQIAKWNLQVKMNKQEAVAIKEASRQKAVALKKASKVYRQRLRH
 FTGDIERLASQVRDQEAQLSETVSASSDWKSQFEKIAIEKTELEVQIETMKKQIANLLEDLRKMETHGKN
 SCCEILRKLHSLLEDENEALNIENVKLKGLDALKDEVASVENELVELQEVEKRQKTLVEGYRTQVQKLQE
 AAEMVKSRCNNLLHNNLIITNKNKLEKVDGNQSLTKLSLEENHLIQLKCENLKEKLEQMDAENKEL
 EKKLADQEECLKHSDLELKEAAEYALSRQLEAALEEGRQKVSEEEVKMSSRERALQIKILDLEAELRK
 KNEEQNLVDKMNTKTQHQAICLKEIQHSLEKSETRNESIKNYLQFLQISYVTMFR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

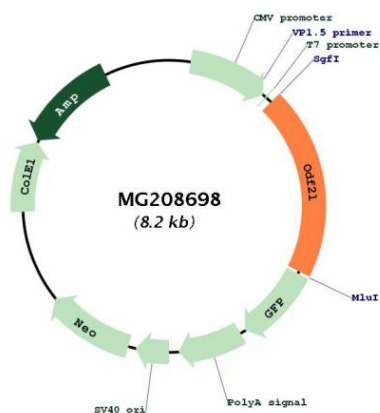


ACCN:	BC020075
ORF Size:	1638 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	BC020075 , AAH20075
RefSeq Size:	2252 bp
RefSeq ORF:	1640 bp
Locus ID:	52184

Cytogenetics: 3 69.36 cM

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

Product images:



Circular map for MG208698