

Product datasheet for **MG220101**

Odf3l2 (NM_001033473) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf3l2 (NM_001033473) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Odf3l2
Synonyms:	Gm1157
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220101 representing NM_001033473 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCCCTCAGCTGCGACCCAGAGGCTAGGCTGACCACAGTACCCCTGGCCCGGGGTGGCTGATG
GACACATTCGGAGACCGGGCTGAGAAAATCCTGTGGAATTGCCACCTTGGAGAATGGCTCCGGACCTGG
CTTGATGTTCTCCGTCCACCGTTGGCTATGTCAATCACGATTGTACCAAGGCAGCCAGTCCTGCCTAC
TCCCTCGCTCGGAGGCCAGTGAAGCACCTCTCCAGGATCCAGCCAGGACCTGTCTACTTCTTGGACC
CGAAAGTTACTCGCTTTGGCCGTAGCTGTCCCTGCCTACTCCATGCAGGGCCGGCCAAGGTCAGAGG
TCTGGAGGTGACACCAGGACCTGGGGCCTACAGCCAGAGAAGGCACCCCAAGTACGCCAGCGGAATGCC
CCAGCTTTCACTCTGGGCTCTCGCTCCGACAGAAGCCTCCAGACACCTCTGTTCTGCCCAATGCCT
ACACCATGCCACCCCTCTGGGGATCGCAGATCTTTATCAAACCCAGCAGTCCCAGCTACACAGTTGTGGG
CCGCACACCCCTGCACGTCCCCCTCAGGATCCTTCAGAGATTCCAGGCCCTGGGCAGTATGAGAGTCCG
GACCCCAACACCTACCGGCAGCGTAGGCCGGCCTTCAACATACTGGGGAGACCTCGGACACCACGGCCCC
TGGAGGACACACCTGGTCTGGTACCCACAACCCAGAACAGGTCAGTGTAAACGGGGCCGGCCCCGGC
ATATACCATGGGCATCCGTCACCAAAGCGGGCATCCACCATGGTAGGGGACACCAATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220101 representing NM_001033473
 Red=Cloning site Green=Tags(s)

MGTLSCDPEARLTTVPLARRVADGHIPETGLRKSCGIATLENGSGPLYVLPSTVGYVNHDCCKAASPAY
 SLARRPSEAPLQDSSPGPVYFLDPKVTRFGRSCPPAYSMQGRAKVRGLEVTPGPGAYSPEKAPPVRQRNA
 PAFTLGSRLRQKPPDTSVPAPNAYTMPPLWGSQIFIKPSSPSYTVVGRTPPARPPQDPSEIPGPGQYESP
 DPNTYRQRRPAFSILGRPRTPRPLEDTPGPGTHNPEQVTNRRARAPAYTMGIRHSKRASTMVGDTKC

TRTRPLE - GFP Tag - V

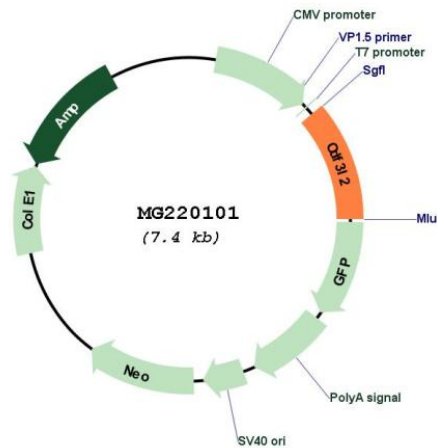
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001033473

ORF Size: 831 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:	<ol style="list-style-type: none">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_001033473.2 , NP_001028645.1
RefSeq Size:	1248 bp
RefSeq ORF:	834 bp
Locus ID:	382384
UniProt ID:	Q3TZ65
Cytogenetics:	10 C1