

Product datasheet for **RR216226**

Odf3l2 (NM_001191777) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Odf3l2 (NM_001191777) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Odf3l2
Synonyms: RGD1310260
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216226 representing NM_001191777
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGACCCCTCAGCTGCGACCCAGTGGCCAGGCCAGCTACAGTGCCCTGGCTCGGCGGGTGGCTGATG
GCCACATCCCGGAGACCGGACTGAGGAAGTCTGTGGAGTGGCCACCTTGAGAATGGCTCGGGACCTGG
CTTGATGTTCTCCGTCACCGTTGGCTACGTCAATCACGATTGTACCAAGGCAGCCAGTCTGCCTAC
TCACTCGCTCGGAGGCCAGTGAAGCACCCCTCCAGGATTCAGCCAGGACCTGTCTACTTCTTGACC
CGAAAGTTACTCGCTTTGGCCGTAGCTGTCCCCCTGCCTACTCCATGCAGGGCCGGGTAAAGATTAGAGG
TCTGGAGGTAACACCAGGCCCTGGGGCTACAGCCAGAGAAGACACCCCCATACGCCAGCGGAACGCC
CCAGCTTTCACGCTGGGCTCTCGCCTCCGACAGAAGCCCCAGACACCTCTGCTCCTGCCCCCAATGCCT
ACACCATGCCACCCCTCTGGGGTACAGATCTTATCAAGCCTAGCAGTCCCAGCTACACAGTTGTGGG
CCGCACACCCCGCACGCCCCCTCAGGATCCTTCTGAGACTCCAGGCCCTGGACAGTACGAGAGTCTCT
GACCCCAACACCTACCGGCAGCGTAGGCCGGCCTCAGCATACTGGGGAGACCCCGAACACCACGGCCCC
CGGAAGACACACCGGGTCTGGTACCCACAACCGGAACAGGTCAGTCTTAACCGGGCCAGGGCCCCAGC
ATATACCATGGGCATCCGTCCTCAAAAGAGGGCATCCACCATGGTAGGGACACCAATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216226 representing NM_001191777
Red=Cloning site Green=Tags(s)

MGTLSCDPVARPATVPLARRVADGHIPETGLRKSCGVATLENGSGPLYVLPSTVGVVNHDCCKAASPAY
 SLARRPSEAPLQDSSPGPVYFLDPKVTRFGRSCPPAYSMQGRGKIRGLEVTPGPGAYSPEKTPPIRQRNA
 PAFTLGSRLRQKPPDTSAPAPNAYTMPPLWGSQIFIKPSSPSYTVVGRTPPARPPQDPSETPGPGQYESP
 DPNTYRQRPAFASILGRPRTPRPEDTPGPGTHNPEQVTNRRARAPAYTMGIRHSKRASTMVGDTKC

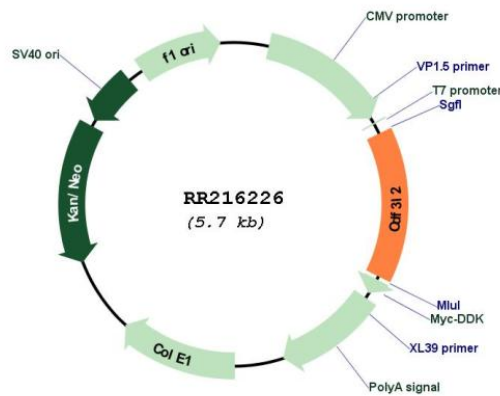
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191777

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:	<u>NM_001191777.1, NP_001178706.1</u>
RefSeq Size:	834 bp
RefSeq ORF:	834 bp
Locus ID:	299600
Cytogenetics:	7q11
MW:	29.7 kDa