

Product datasheet for MR201555

Odf4 (BC060992) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Odf4 (BC060992) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Odf4
Synonyms: Oppo1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201555 representing BC060992
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACCTGACTTGAATGAGGAAGAATCCGAGAGGATAAGGACCAGGAACAGGCGGTCACTGGAGCATC
 GTCGCAACTCCCTATTGCCCTTCAATGAAAGCAACAACTCTCGCTGGATGGCCAGGTGGTGGC
 CTCAGAGTTCAGCCTGGTGGCCTCCTCCTGCTCCTAGTCATGGTCTTCTCCAAGAAATGGTTGTATCCC
 TCTAAGAGTCGTTCCATCAGCGCTACCCCAAATGTCACCAAGAGAGTCTACACCTCCATCCACAGTA
 TGTCACAGGGCTCCTGTACATCTGCGTATCTAAAAGCTGCCCAGCTCAGACAACGGAGAAGACAATT
 TAAGATGTGGACAATCCATCCAGTTTTGGGGTGGCTAAGATAAGTTTACCCTGGCCATAGGGCTGGT
 TTTGTCCTCACCACCTGGCTGCACCTGCCCTACCTGCCCTGCTTGCAGAGAATGCCTTTCTTTGGCCTGA
 TTGGAATCATCTGAGCTTCTGTGAAGTGCCCCCAGCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201555 representing BC060992
 Red=Cloning site Green=Tags(s)

MEPDLNEEESERIRTRNRRSLEHRRNSLLPFQWKATNNSRWMAQVVASEFSLVAFLLLLVMVFSKKWLYP
 SKSRFHQRYPQNVTKRVYTSIHSMTGLLYICVSKSCPSSDNGEDNFKMWTIHPVFGVAKISFTLAIGLG
 FVLTTLHLPLPCLQRMPFFGLIGIILSFCEGAPQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

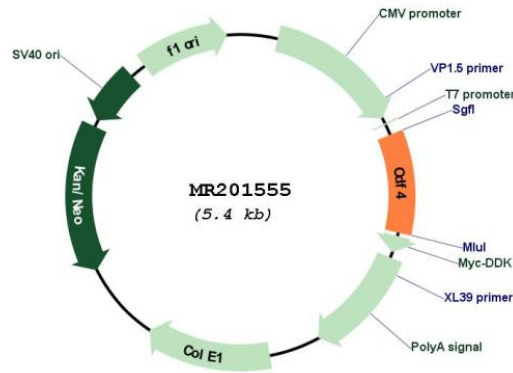
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: BC060992

ORF Size: 531 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>BC060992.1</u>
RefSeq Size:	1332 bp
RefSeq ORF:	533 bp
Locus ID:	252868
Cytogenetics:	11 B3
MW:	48.8 kDa
Gene Summary:	Component of the outer dense fibers (ODF) of spermatozoa which could be involved in sperm tail structure, sperm movement and general organization of cellular cytoskeleton. [UniProtKB/Swiss-Prot Function]