

Product datasheet for MR220229

Odf3 (NM_027019) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf3 (NM_027019) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Odf3
Synonyms:	1700011O04Rik; SHIPPO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220229 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGAGGTATGGATGGGCACCTGGAGGCCCATCGCCCCGGGGGCCCATCATGGCCCTCTACA
GCAGCCCTGGACCCAAGTACCTGATTCACCCACCACGGGCTTTGTGAAGCACACCCACCAAACCTCCG
AGCACCGCCTACAGCTCCGTGGGGCTCCCATGCTCTTGGCGGAGAATTGCTCCCCAGGGCCCCGCTAC
AGTGTGAACCCCAAGATCCTGAAGACTGGCAAGGACCTTGCCCTGCCTACTCCATCCTGGGGCGCTACC
ATACCAAGACCTTGTGACCCCCGGCCGGGTGATTACTTCCAGAGAAATCTACCAAGTATGTGTTTGA
CTCAGCACCCAGCCATTCATTTCTGCCCGGACTAAGACCTTCCGAGTGGACAGCACTCCAGGCCCTGCT
GCATACATGCTGCCTGTGGTGATGGGGCCCCACACGGTGGCAAGGTCTCCAGCCCTCCTTCTCCATCA
AGGGCCGAGCAAGTTGGGCAGCTTCAGCGACGACCTGCACAAGACTCCAGGTCTGCGGCATACCGTCA
GACTGAGGTTCAAGTGACCAAGTTCAAGGCTCCACAGTACACCATGGCTGCCCGGTGGAGCCCCAGGG
GATAAACCCCTGAAGCCAGGACCAGGAGCCACAGCCCTGAGAAGGTGACCTTGAACAAGCCCTGTGCTC
CTACTGTACCTTTGGCATCAAGCATTCTGACTACATGACACCCTTGTTGTCGATGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220229 protein sequence
Red=Cloning site Green=Tags(s)

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MAEEVWMGTWRPHRPRGPIMALYSSPGPKYLIPPTTFGVKHTPTKLRAPAYSFRGAPMLLAENCSPGPRY
SVNPKILKTGKDLGPAYSILGRYHTKLLTPGPGDYFPEKSTKYVFDASAPSHSISARTKTFRVDSTPGPA
AYMLPVVMGPHTVGKVSQPSFSIKGRSKLGSFSDDLHKTPGPAAYRQTEVQVTKFKAPQYTMARVEPPG
DKTLKPGPGAHSPEKVTLNKPAPTVTFTGIKHSYMTPLVVDVE
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_027019

ORF Size: 765 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.

RefSeq: [NM_027019.3](#), [NP_081295.2](#)

RefSeq Size: 924 bp

RefSeq ORF: 765 bp

Locus ID: 69287

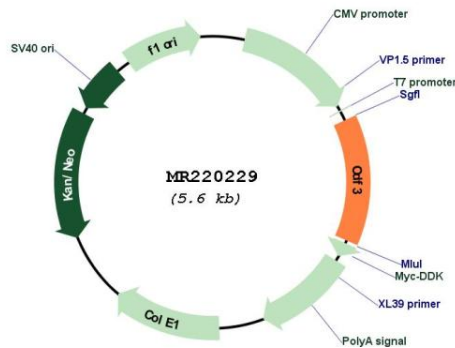
UniProt ID: [Q920N1](#)

Cytogenetics: 7 F4

MW: 27.6 kDa

Gene Summary: Outer dense fibers are filamentous structures located on the outside of the axoneme in the midpiece and principal piece of the mammalian sperm tail. May help to maintain the passive elastic structures and elastic recoil of the sperm tail.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220229