

Product datasheet for **RR200384**

Odf2 (NM_017213) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf2 (NM_017213) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Odf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR200384 representing NM_017213
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGCCTCATCCTCAGGCGGCTCCCCAGGTTCCATCGTGTGGGAAGAACGGAGTAACGAGTCTCA
 CACAGAAAAAAGTCTTGAGAACACCTTGTGGCGCACCCAGTGTAAGTGTGACGAAATCTCATAAGCGCGG
 AATGAAAGGGGACACCGTGAATGTACGGCGGAGTGTCCGGGTGAAAACCAAGAATCCACCTCATTGCCTG
 GAGATCACACCACCATCTTCAGAAAAGCTGGTCTCGGTGATGCGATTGAGTGACCTTTCTACAGAAGACG
 ACGATTCTGGTCACTGTAAGATGAACCGTTACGATAAGAAGATTGACAGTCTAATGAACGCGGTCGGTTG
 TCTCAAATCTGAGGTCAAGATGCAGAAAGGTGAACGCCAAATGGCCAAAAGGTTCTGGAGGAGAGGAAG
 GAAGAAGTGGAGGAGGTAGCACATGAGCTTGCAGAGACGGAGCATGAGAACACAGTGCTCAGACACAACA
 TCGAGCGCATCAAGGAGGAGAAGGACTTACCATGCTTCAAAGAACAACCTCCAGCAGGAGAAGGAATG
 CCTCATGTCCAACTGGTGGAGGCTGAAATGGATGGGGCGGCTGCTGCCAAAACAGTCATGGCCTTGAAG
 GATACCATCGGGAAGCTGAAAACCGAGAAAACAGATGACTTGCACCGACATCAACACCTTAACGAGGCAGA
 AGGAACTTCTCCTGCAGAAGCTGAGCACCTTTGAAGAGACCAACCGCACCTCCGAGATCTGTTGAGGGA
 GCAGCACTGCAAAGAGGATTCCGAGAGACTAATGGAGCAACAAGGTGCATTACTGAAACGCTGGCAGAG
 GCCGACTCAGAGAAAAGCGCGCCTGCTGTTACTACTGCAAGACAAGGACAAGGAAGTGAAGAAGTCTCC
 AGGAGATACAATGTGAGAAGGCTCAAGCAAAGACAGCGTCTGAGCTCTCCAAGTCCATGGAGTCCATGCG
 GGGCATTTGACAGCACAGCTTCGCTGCAAAGAGGCTGAGAACAGCCGCTGTGCATGCAGATCAAGAAT
 TTAGAGCGCAGTGGGAACCAGCACAAAGCGGAAGTAGAGGCCATCATGGAGCAGCTAAAGGAACTGAAGC
 AAAAGGGAGACCGAGACAAAGAGACCTGAAGAAGGCCATCCGAGCCAGAAGGAGCGAGCTGAGAAGAG
 TGAGGAGTATGCCGAGCAGCTACATGTGCAGCTGGCCGACAAGGACCTTTATGTTGCTGAAGCTTTATCT
 ACTCTGGAGTCATGGAGGAGCCGTTACAACCAAGTTGTGAAAGACAAAGGAGACCTTGAGTTGGAGATCA
 TTGTCCTAAATGACCGGGTACAGATCTTGTAAACCAACAACAGAGCTTGGAGGAGAAGATGCGGGAAGA
 CCGGGACAGCTTGGTAGAGAGACTGCACCGCAAACCTGCTGAGTATTCTGCCTTCAAGCTAGAGAACGAG
 AGGCTCAAGGCTAGCTTTGCCCTATGGAGGACAAGCTCAATCAGGCTCACTTGGAGGTCCAGCAACTGA
 AGGCATCAGTGAAGAAGTACGAGGGGATGATCGACAACACAAGAGCCAGGTGATGAAAACAAGATTGGA
 GGCTGACGAAGTGGCTGCGCAGCTAGAGCGCTGCGACAAAGAGAACAAGATGCTTAAAGACGAGATGAAC
 AAAGAAATCGAGGCGGCCGTCGCGAGTCCAGTCACAGCTGGCTGACCTACAACAGCTGCCTGACATCC
 TCAAGATCACGGAGGCCAAGCTGGCTGAGTGTCAAGACCAGCTGCAGGGCTACGAGAGGAAGAACATCGA
 CCTCACAGCCATCATTTAGACCTGCGCAGCCGGTAAGGGACTGGCAGAAGGGATCCCACGAACTGGCC
 CGAGCAGGGGCCCGCTTACCGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200384 representing NM_017213
Red=Cloning site Green=Tags(s)

MSASSSGGSPRFPSCGKNGVTSLTQKKVLRTPCGAPSVTVTKSHKRGMGDVTNVRRSVRVKTKNPPHCL
 EITPPSSEKLVSMRSLSDLSTEDDDSGHCKMNRDYDKKIDSLMNAVGLKSEVKMQKGERQMAKRFLEERK
 EEELEVAHELAE TEHENTVLRHNIERIKEEKDF TMLQKKHLQEQECLMSKLVEAEMDGAAAQVMALK
 DTIGKLTQKMTCTDINTLTRQKELLQKLSTFEETNRTL RDLLREQHCKEDSERLMEQQGALLKRLAE
 ADSEKARLLLLLQDKDKEVEELLQEIQCEKAQAKTASELSKSMESMRGHLQAQLRCKEAENSRLCMQIKN
 LERSGNQHKAEVEAIMEQLKELKQKGDREKTLKKAIRAQKERA EKSEEYAEQLHVQLADKDL YVAEALS
 TLESWRSRYNQVVKDKGDLELEIIVLNDRVTDLVNQQSLEEKMRDRDSLVERLHRQTAEYSAFKLENE
 RLKASFAPMEDKLNQAHLEVQQLKASVKNYEGMIDNYKSQVMKTRLEADEVAAQLERC DKENKMLKDEM
 KEIEAARRQFQSQLADLQQLPDILKITEAKLAECQDQLQGYERKNIDLTAIISDLRSRVRDWQKGSHELA
 RAGARLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_017213

ORF Size: 1914 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_017213.2](#), [NP_058909.2](#)

RefSeq Size: 2380 bp

RefSeq ORF: 1917 bp

Locus ID: 29479

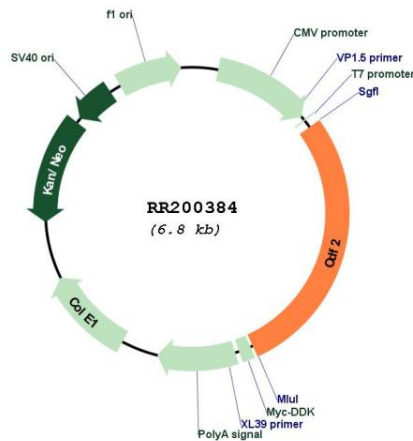
UniProt ID: [Q6AYX5](#)

Cytogenetics: 3p12

MW: 73.4 kDa

Gene Summary: localized to both the cortex and medulla of outer dense fibers, specialized cytoskeletal components of the sperm tail; may interact with other outer dense fiber proteins via a leucine zipper [RGD, Feb 2006]

Product images:



Circular map for RR200384