

Product datasheet for **RN200385**

Odf2 (NM_001145005) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf2 (NM_001145005) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Odf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200385 representing NM_001145005
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGAGCTGCCGACCGTTGTGCGAAAAGGAGGCGGAAGCGGGAGGAGCCGCCGGGAGCCGGAC
 TGCATCCGCCCGCGCTCTCCATGGCACGACCCTGGCCTCCGACTTCAACGACTTCATAAGGAGACGGTT
 CTGGGCGCAGCCGTGCCGCTCTTGGTTTCCATCGTGTGGGAAGAACGGAGTAACGAGTCTCACACAGAAA
 AAAGTCTTGAGAACACCTTGTTGGCGCACCCAGTGAAGTGTGACGAAATCTCATAAGCGCGGAATGAAAG
 GGGACACCGTGAATGTACGGCGGAGTGTCCGGGTGAAAACCAAGAATCCACCTCATTGCCTGGAGATCAC
 ACCACCATCTTCAGAAAAGCTGGTCTCGGTGATGCGATTGAGTGACCTTTCTACAGAAGACGACGATTCT
 GGTCACTGTAAGATGAACCGTTACGATAAGAAGATTGACAGTCTAATGAACGCGGTGGTGTCTCAAAAT
 CTGAGGTCAAGATGCAGAAAAGTGAACGCCAAATGGCCAAAAGGTTCTGGAGGAGAGGAAGGAAGAACT
 GGAGGAGGTAGCACATGAGCTTGCAGAGACGGAGCATGAGAACACAGTGCTCAGACACAACATCGAGCGC
 ATCAAGGAGGAGAAGGACTTCACCATGCTTCAAAGAAAACACCTCCAGCAGGAGAAGGAATGCCTCATGT
 CCAAACCTGGTGGAGGCTGAAATGGATGGGGCGGCTGCTGCCAAACAAGTCATGGCCTTGAAGGATACCAT
 CGGGAAGCTGAAAACCGAGAAAACAGATGACTTGCACCGACATCAACACCTTAACGAGGCAGAAGGAACTT
 TCCTGCAGAAGCTGAGCACCTTTGAAGAGACCAACCGCACCTCCGAGATCTGTTGAGGGAGCAGCACT
 GCAAAGAGCTGTGCCTGAAAGTTCTGAATGTGCGAGGCAGCACAGGCCTGGGAGGGAGAGGCAGGAGGA
 TTGTGAGGATCCGAGAGACTAATGGAGCAACAAGGTGCATTACTGAAACGTCTGGCAGAGGCCGACTCA
 GAGAAAAGCGCCCTGCTGTTACTACTGCAAGACAAGGACAAGGAAGTGAAGAAGTCTCCAGGAGATAC
 AATGTGAGAAGGCTCAAGCAAAGACAGCGTCTGAGCTCTCCAAGTCCATGGAGTCCATGCCGGGGCATT
 GCAGGCACAGCTTCGCTGCAAAGAGGCTGAGAACAGCCGCTGTGCATGCAGATCAAGAATTTAGAGCGC
 AGTGGGAACCAGCACAAGGCGGAAGTAGAGCCATCATGGAGCAGCTAAAGGAACTGAAGCAAAAGGGAG
 ACCGAGACAAAGAGACCCTGAAGAAGGCCATCCGAGCCAGAAGGAGCGAGCTGAGAAGAGTGAGGAGTA
 TGCCGAGCAGCTACATGTGCAGCTGGCCGACAAGGACCTTTATGTTGCTGAAGCTTTATCTACTCTGGAG
 TCATGGAGGAGCCGTTACAACCAAGTTGTGAAAGACAAAGGAGACCTTGAGTTGGAGATCATTGCCTAA
 ATGACCGGTGACAGATCTTGTAAACCAACAACAGAGCTTGAGGAGAAGATGCCGGAAGACCGGGACAG
 CTTGGTAGAGAGACTGCACCGGCAAACCTGCTGAGTATTCTGCCTCAAGCTAGAGAACGAGAGGCTCAAG
 GCTAGCTTTGCCCTATGGAGGACAAGTCAATCAGGCTCACTTGAGGCTCCAGCAACTGAAGGCATCAG
 TGAAGAATACGAGGGGATGATCGACAACATAAGAGCCAGGTGATGAAAACAAGATTGGAGGCTGACGA
 AGTGGCTGCGCAGCTAGAGCGCTGCGACAAGAGAACAAGATGCTTAAAGACGAGATGAACAAAAGAAATC
 GAGGCGGCCCGTCCGAGTTCAGTACAGCTGGCTGACCTACAACAGCTGCCTGACATCTCAAGATCA
 CGGAGGCCAAGCTGGCTGAGTGTCAAGACCAGCTGCAGGGCTACGAGAGGAAGAACATCGACCTCACAGC
 CATCATTTAGACCTGCGCAGCCGGTAAAGGACTGGCAGAAGGGATCCCACGAAGTGGCCCGAGCAGGG
 GCCCGTTACCGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001145005

Insert Size: 2118 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001145005.1</u> , <u>NP_001138477.1</u>
RefSeq Size:	2254 bp
RefSeq ORF:	2118 bp
Locus ID:	29479
UniProt ID:	<u>Q6AYX5</u>
Cytogenetics:	3p12
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] Transcript Variant: This variant (1) encodes the longer isoform (1).