

Product datasheet for **MC219979**

Odf2 (NM_001177662) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf2 (NM_001177662) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Odf2
Synonyms:	A1848335; MMTEST29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219979 representing NM_001177662
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCTCATCCTCAGGCGGCTCCCCAGGTTCCATCGTGTGGGAAGAACGGAGTAACGAGTCTCA
 CACAGAAAAAAGTCTTGAGAACACCTTGTGGCGCACCCAGTGTAAGTGTACGAAATCTCATAAGCGCGG
 AATGAAAGGGGACACCGTGAATGTACGGCGGAGTGTCCGGGTGAAAACCAAGAATCCACCTCATTGCCTG
 GAGATCACACCACCTTTCAGAAAAGCTGGTCTCGGTGATGCGATTAAGTGACCTTTCTACAGAAGACG
 ACGATTACGGTCACTGTAAAATGAACCGTTACGATAAGAAGATTGACAGTCTAATGAACGCGGTCGGTTG
 TCTCAAATCTGAGGTCAAGATGCAGAAAGGTGAACGCCAAATGGCCAAAAGGTTCTGGAGGAGAGGAAG
 GAAGAGCTGGAGGAGTGGCACACGAGCTTGCAGAGACGGAGCATGAGAACACGGTCTCAGACACAACA
 TCGAGCGTATCAAGGAGGAGAAGGACTTACCATGCTTCAAAGAAAACACCTCCAGCAGGAGAAGGAATG
 CCTCATGTCCAACTAGTGGAGGCTGAAATGGATGGAGCAGCTGCTGCCAAGCAGGTCATGGCCTTGAAG
 GATACCATCGGGAAGCTGAAAACCGAGAAAACAGATGACTTGCACCGACATCAACACCTTAAACAAGGCAGA
 AGGAACTTCTCCTGCAGAAGCTGAGTACCTTTGAGGAGACCAATCGCACCTCCGAGATCTGTTGAGGGA
 ACAGCACTGCAAAGAGGATTCGAGAGACTAATGGAGCAACAAGGTACATTAAGGAGCTTGGCAGAG
 GCAGACTCAGAGAAAGCGCGCTGCTGTTACTACTGCAAGACAAGGACAAGGAGGTGGAAGAAGTCTCC
 AGGAGATACAATGTGAAAAGGCTCAAGCAAAGACAGCGTCTGAGCTTCCAAGTCCATGGAGTCCATGCG
 GGGGCAATTTGCAGGCACAGCTTCGCTGCAAAGAGGCTGAGAACAGTGCCTGTGCATGCAGATCAAGAAC
 TTAGAGCGCAGTGGGAACCAGCATAAAGCGGAAGTAGAGGCCATCATGGAGCAGCTAAAGGAACTGAAGC
 AGAAGGGAGACCGAGACAAAGAGACCTAAAGAAGGCCATCCGAGCCAGAAAAGCGGAGCCGAGAAGAG
 TGAGGAGTATGCCGAGCAGCTGCATGTGCAACTGGCCGACAAGGACCTTTATGTTGCTGAAGCTTTATCT
 ACTCTGGAGTCTTGGAGGAGCCGTTACAACCAGGTTGTGAAGGACAAGGAGATCTTGAAGTGGAGATTA
 TCGTCCTAAATGACCGGGTGACAGATCTTGTAAACCAACAACAAGCTTGGAGGAGAAGATGCGGGAAGA
 CCGGGACAGCTTGGTAGAGAGGCTGCACCGGCAGACGGCTGAGTACTCTGCATTCAAGCTAGAGAACGAG
 AGGCTCAAGGCTAGCTTTGCCCTATGGAGGACAAGCTCAACCAGGCTCACTTGGAGGTTACGACGCTGA
 AGGCGTCAGTGAAGAAGTACGAGGGGATGATAGACAACACAAGAGCCAGGTGATGAAAACAAGATTGGA
 GGCTGATGAAGTGGCTGCACAGCTAGAGCGCTGCGACAAAGAGAACAAGATGCTTAAAGACGAGATGAAC
 AAAGAGATCGAGGCGCCGTCGCGAGTCCAGTCACAGCTGGCTGACCTACAACAGCTGCCTGACATCC
 TCAAGATCACGGAGGCCAAGCTGGCTGAGTGCCAAAGACCAGCTGCAGGGTACGAGAGGAAGAACATCGA
 CCTCACAGCCATCATTTAGACCTGCGCAGCCGGTAAGGGACTGGCAGAAAGGATCCCACGAACTGGCC
 CGAGCAGGGGCCCGCTTACCGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177662

Insert Size: 1917 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:

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_001177662.1](#), [NP_001171133.1](#)

RefSeq Size: 2391 bp

RefSeq ORF: 1917 bp

Locus ID: 18286

Cytogenetics: 2 20.79 cM

Gene Summary: Seems to be a major component of sperm tail outer dense fibers (ODF). ODFs are filamentous structures located on the outside of the axoneme in the midpiece and principal piece of the mammalian sperm tail and may help to maintain the passive elastic structures and elastic recoil of the sperm tail. May have a modulating influence on sperm motility. Functions as a general scaffold protein that is specifically localized at the distal/subdistal appendages of mother centrioles. Component of the centrosome matrix required for the localization of PLK1 and NIN to the centrosomes. Required for the formation and/or maintenance of normal CETN1 assembly (By similarity).[UniProtKB/Swiss-Prot Function]