

Product datasheet for RC236573

ODF3 (NM_001286136) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ODF3 (NM_001286136) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ODF3
Synonyms: CT135; SHIPPO1; TISP50
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236573 representing NM_001286136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACGGAGGAGGTATGGATGGGTACCTGGAGGCCCATCGCCCCGGGGACCCATCATGGCCCTCTACA
 GCAGCCCTGGACCAAGTACCTGATTCCACCAACAACAGGCTTCATGAAGCACACGCCACCAAGCTGCC
 TGCACCGCCTACAGCTCCGTGGGGCCCCATGCTCCTGGCAGAGAAGTCTCCCGAGGCCCGCTTAC
 AATGTAAACCCCAAGATACTGAGGACTGGCAAGGACCTTGGCCCTGCCTACTCCATCCTGGGCGCTACC
 AAACCAAGACCATGCTGACTCCTGGTCCAGGTGACTACTTTCCAGAGAAATCCACCAAGTACGTGTTTCA
 CTCAGCACCCAGCCACTCCATCTCTGCCCGGACAAAGGCATTCCGAGTGGACAGCACCCAGGCCCGCT
 GCGTACATGCTGCCCATGGTAATGGGGCCCAATACCGTCGGCAAGGCCTCCAGCCCTCCTTTCCATCA
 AGGGCCGAGCAAGCTGGGCGGCTTCAGCGACGACCTACACAAGGTGACCCTGACCAAGCCCTGCGCCCC
 AGTTGTACCTTCGGCATCAAACACTCTGATTACATGACTCCCCTGCTGGTTGATGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236573 representing NM_001286136
 Red=Cloning site Green=Tags(s)

MTEEVVMGTWRPHRPRGPIMALYSSPGPKYLIPPTTGFMKHTPTKLRAPAYSFRGAPMLLAENCSPPGRY
 NVNPKILRTGKDLGPAYSILGRYQTKTMLTPGPGDYFPEKSTKYVFDSPSHSISARTKAFRVDSTPGPA
 AYMLPMVMGPNTVGKASQPSFSIKGRSKLGGFSDDLHKVTLTKPCAPVVTFGIKHSDYMTPLLDVVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

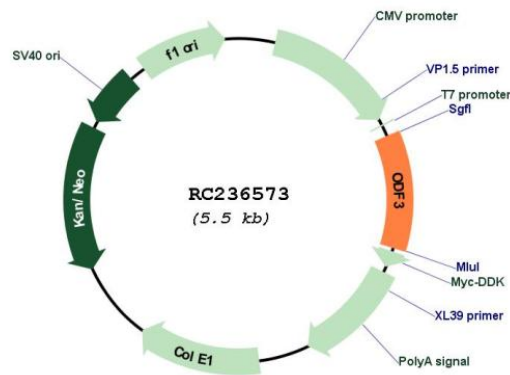


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001286136

ORF Size: 621 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_001286136.2](#)

RefSeq Size: 1154 bp

RefSeq ORF: 624 bp

Locus ID: 113746

UniProt ID: [Q96PU9](#)

Cytogenetics: 11p15.5

MW: 23.1 kDa

Gene Summary: ODF3 is a component of sperm flagella outer dense fibers, which add stiffness, elastic recoil, and protection against shearing forces during sperm movement.[supplied by OMIM, Apr 2004]