

Product datasheet for SC305723

ODF3 (NM_053280) Human Untagged Clone

Product data:

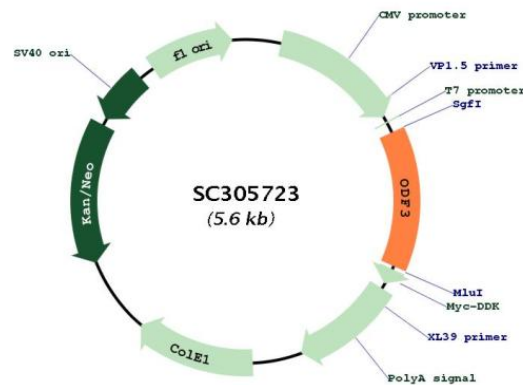
Product Type:	Expression Plasmids
Product Name:	ODF3 (NM_053280) Human Untagged Clone
Tag:	Tag Free
Symbol:	ODF3
Synonyms:	CT135; SHIPPO1; TISP50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305723 representing NM_053280. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACGGAGGAGGTATGGATGGGTACCTGGAGGCCCATCGCCCCGGGGACCCATCATGGCCCTCTAC
AGCAGCCCTGGACCCAAGTACCTGATTCCACCAACAACAGGCTTCATGAAGCACACGCCACCAAGCTG
CGTGCACCGGCCACAGCTTCCGTGGGGCCCCATGCTCCTGGCAGAGAACTGCTCCCCAGGGCCCCGT
TACAATGTAAACCCAAGATACTGAGGACTGGCAAGGACCTTGGCCCTGCCTACTCCATCCTGGGGCGC
TACCAAACCAAGACCATGCTGACTCCTGGTCCAGGTGACTACTTCCAGAGAAATCCACCAAGTACGTG
TTCGACTCAGCACCCAGCCACTCATCTCTGCCGGACAAGGCATTCCGAGTGGACAGCACCCAGGC
CCCGCTGCGTACATGCTGCCATGGTAATGGGGCCAATACCGTCGGCAAGGCCTCCAGCCCTCCTTT
TCCATCAAGGGCCGCAGCAAGCTGGGCGCTTCAGCGACGACCTACACAAGACCCAGGTCCCGCAGCC
TACCGCCAAACTGATGTGCGGGTGACCAAGTTC AAGGCTCCGCAGTACACCATGGCTGCCGTGTGGAG
CCCCAGGGGACAAGACCCTCAAGCCAGGACCAGGCGCCACAGCCCTGAGAAGGTGACCCTGACCAAG
CCCTGCGCCCCAGTTGTACCTTCGGCATCAAACACTCTGATTACATGACTCCCCGTGTTGATGTG
GAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_053280

Insert Size: 765 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_053280.4](#)

RefSeq Size: 1295 bp

RefSeq ORF:	765 bp
Locus ID:	113746
UniProt ID:	<u>Q96PU9</u>
Cytogenetics:	11p15.5
MW:	27.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>