

Product datasheet for **RG219533**

ODF3 (NM_053280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ODF3 (NM_053280) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ODF3
Synonyms:	CT135; SHIPPO1; TISP50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219533 representing NM_053280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGAGGAGGTATGGATGGGTACCTGGAGACCCCATCGCCCCGGGGACCCATCATGGCCCTCTACA
GCAGCCCTGGACCCAAGTACCTGATTCCACCAACAACAGGCTTCATGAAGCACACGCCACCAAGCTGCG
TGCACCGCCTACAGCTCCGTGGGGCCCCATGCTCCTGGCAGAGAAGTCTCCAGGGCCCCGTTAC
AATGTAACCCCAAGATACTGAGGACTGGCAAGGACCTTGCCCTGCCTACTCCATCCTGGGGCGCTACC
AAACCAAGACCATGCTGACTCCTGGTCCAGGTGACTACTTCCAGAGAAATCCACCAAGTACGTGTTTCA
CTCAGCACCCAGCCACTCCATCTCTGCCCGGACAAAGGCATTCCGAGTGGACAGCACCCAGGCCCGCT
GCGTACATGCTGCCCATGGTAATGGGGCCAATACCGTCGGCAAGGCCTCCAGCCCTCCTTTTCCATCA
AGGGCCGAGCAAGCTGGGCGGCTTCAGCGACGACCTACACAAGACCCAGGTCCCGCAGCCTACCGCCA
AACTGATGTGCGGGTGACCAAGTTCAAGGCTCCGAGTACACCATGGCTGCCCGTGTGGAGCCCCAGGG
GACAAGACCCCAAGCCAGGACCAGGCGCCACAGCCCTGAGAAGGTGACCCTGACCAAGCCCTGCGCCC
CAGTTGTCACCTTCGGCATCAAACACTCTGATTACATGACTCCCCTGCTGGTTGATGTGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219533 representing NM_053280
 Red=Cloning site Green=Tags(s)

MTEEVWMGTWRPHRPRGPIMALYSSPGPKYLIPPTTGFMKHTPTKLRAPAYSFRGAPMLLAENCSPGPRY
 NVNPKILRTGKDLGPAYSILGRYQTKMLTPGPGDYFPEKSTKYVFD SAPSHSISARTKAFRVDSTPGPA
 AYMLPMVMGPNTVGKASQPSFSIKGRSKLGGFSDLHKTPGPAAYRQTDVVRVTKFKAPQYTM AARVEPPG
 DKTLKPGPGAHSPEKVTLTKPCAPVVTFGIKHSYMTPLLVDVE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053280

ORF Size: 762 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_053280.3](#), [NP_444510.2](#)

RefSeq Size: 1331 bp

RefSeq ORF: 765 bp

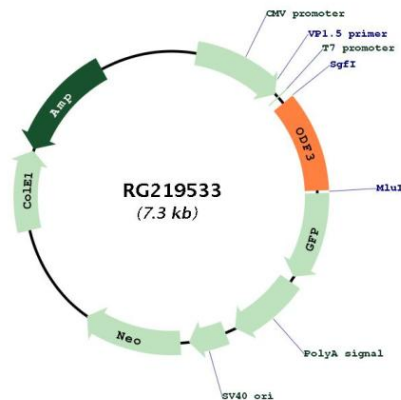
Locus ID: 113746

UniProt ID: [Q96PU9](#)

Cytogenetics: 11p15.5

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]

Product images:



Circular map for RG219533