

Product datasheet for **RG223666**

ODF3B (NM_001014440) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ODF3B
Synonyms:	FAP123; ODF3L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223666 representing NM_001014440
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTCGGACGCCTGGGTGGGCCTTTGGCGGCCACACCGCCCCGCGGCCCATCGCGGCGCACTACG
GAGGCCCCGGGCCCAAATACAAGCTGCCGCCAACACCGGCTACGCCCTGCATGACCCGTCGCGGCCGCG
CGCCCCCGCCTTACCTTCGGCGCGCGCTTCCCCACGCAGCAGACGACGTGCGGCCCGGGCCAGGCCAC
CTGGTGCCCGCTCGCATGACCGTGCGCGGCACCGACGCGCCCCCGCCTACTCCATCTACGGCCGCCAC
GCCGCTCAGCGCCCTTCTCACTCCGGGACCTGGCAGGTACTTCCCGGAGCGAGCGGGGAACGCGACGTA
CCCCAGTGCGCCTCGGCACACCATTGCTCCCCGAACTGGGGTGTCCAGGCGGAACAGCAGAGCCAGGT
CCCGCGGCCTATACGGTGCCCTCGCTCTTGGGTCCGCGCGTCATCGGCAAAGTCTCCGCCCAACTTGCT
CCATCTACGGCCGAGAGCGGCTGGCAGTTTCTTCGAGGACCTCAGCAAGACCCGGGCCCTCGCCTA
TCAGGTCGTGAGTCCAGGGGTCTACAAGTCCCGGGCCCCCAGTTCACGATTCTGGCGCGGACTTCGCTC
CCCCAAGACAACACTCGGAAGCCAGGGCCCGCGCCTACAACGTGGATCAGCACCGGAAGCCCCGCGGT
GGAGTTTCGGGATCCGGCACTCGGACTACCTGGCCCCGCTGGTGACCGACGCGGACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



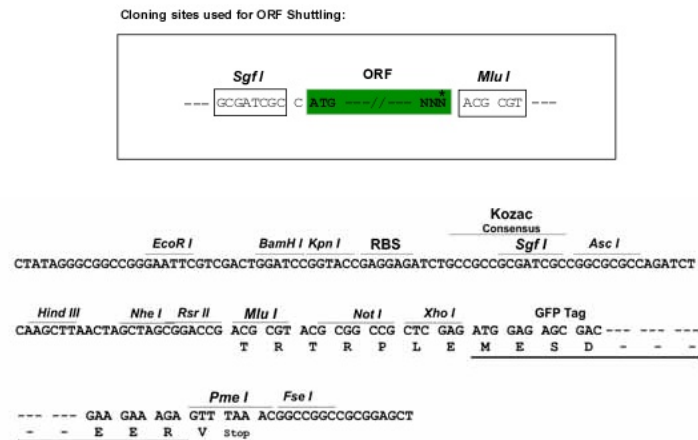
Protein Sequence: >RG223666 representing NM_001014440
 Red=Cloning site Green=Tags(s)

MGSDAWVGLWRPHRPRGPIAAHYGGPGPKYKLPNPTGYALHDPSPRAPFTFGARFPTQQTTCGPGPGH
 LVPARMTVRGTDGAPAYSIYGRPRRSAPFLTPGPGRYFPERAGNATYPSAPRHTIAPRNWGVQAEQQSPG
 PAAYTVPSLLGPRVIGKVSAPTCSIYGRRAAGSFFEDLSKTPGPCAYQVSPGVYKSRAPQFTILARTSL
 PQDNTRKPGPAAYNVQDHRKPRGWSFGIRHSDYLAPLVTADN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001014440

ORF Size: 759 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001014440.4

RefSeq Size: 970 bp

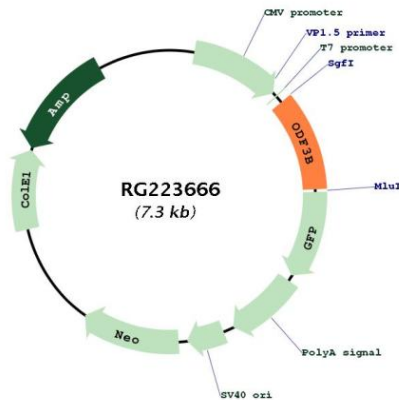
RefSeq ORF: 762 bp

Locus ID: 440836

UniProt ID: A8MYP8

Cytogenetics: 22q13.33

Product images:



Circular map for RG223666