

Product datasheet for **MR218644**

Odf1 (NM_008757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odf1 (NM_008757) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Odf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218644 representing NM_008757, codon optimized. Due to the complexity of NM_008757, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCTCTGTCTTGCTGCTTGACAGTGTCGGCGGGATATCAAGAAGGTCGATAGAGAGCTGAGGC
AGCTGCGCTGCATCGATGAAATTCATCACGGTGCCTCTGCGACCTCTACATGCACCCTTACTGTTGTTG
CGACCTGCATCCTTATCCCTACTGTCTGTGTACAGCAAACGGTCTAGAAGTTGTGGGCTGTGTGATCTG
TACTACCCTGTTGCTTGCGACTACAAGCTCTATTGTCTCAGGCCTTCCCTGCGGAGCTTGGAGAGAC
TTAGAAGGACAACCAATCGGATACTTGCTCCAGCTGTTGCTCTTCTAATATTCTCGGATCCGTTAACGT
CTGCGGGTTTGAGCCTGATCAGGTCAAGGTGCGGGTTAAAGATGGTAAGGTCTGCGTGTCTGCAGAGAGG
GAAAACAGATACGACTGCCTTGGGTCCAAGAAGTATTCTTATATGAATATCTGCAAGGAGTTTTCATTGC
CTCCTTGTGTGGATGAGAAAGACGTGACCTACAGCTACGGGCTCGGATCTTGTGTGAAAAATAGAATCTCC
GTGTTACCCTTGTACCAGCCGTGCAACCCATGTAAACCGTGCAGCCCCTGTAGCCCATGCGCACCATGT
GGGCCATGCGGCCCATGCGGCCCTTGTGGTCCATGTGGACCCTGTGGCCCATGCGATCCTTGTAAACCCAT
GTTACCCATGTGGATCTAGGTTCTCCTGTGCAAGATGATCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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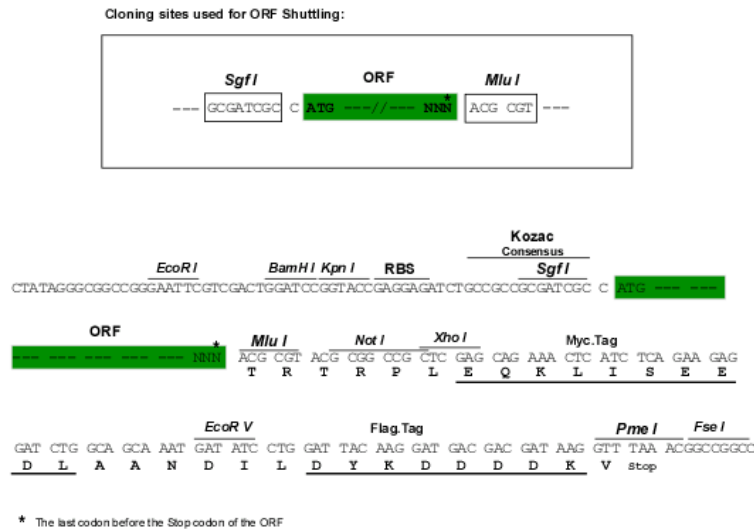
Protein Sequence: >MR218644 representing NM_008757
 Red=Cloning site Green=Tags(s)

MAALSCLLDVSRDIKKVDRELRLRCIDEISSRCLCDLYMHPYCCDLHPYPYCLYSKRSRSCGLCDL
 YYPCCLCDYKLYCLRPSLRSLRLRRTTNRLASSCCSSNILGSVNVCGFEPDQVKVRVKGKVCVSAER
 ENRYDCLGSKKYSYMNICKEFSLPPCVDEKDVTSYGLGSCVKIESPCYPCTSPCNPCNCPSPCPCAPC
 GPCGPGPCGPGPCGPDPCNPCYPCGSRFSCRKMIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008757

ORF Size: 744 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_008757.1](#), [NM_008757.2](#), [NM_008757.3](#), [NP_032783.2](#)

RefSeq Size: 1107 bp

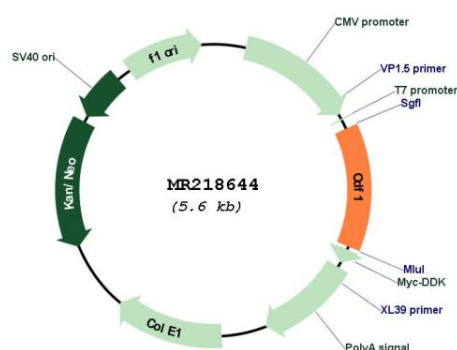
RefSeq ORF: 747 bp

Locus ID: 18285

Cytogenetics: 15 15.14 cM

MW: 27.6 kDa

Product images:



Circular map for MR218644