

## Product datasheet for MR204516

### Ogfod3 (NM\_025402) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ogfod3 (NM_025402) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ogfod3
Synonyms:	1110031I02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204516 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCCTCAGCGGAGGGGACCACCCAGAATCCCGAGGGAAGTAGTGCTGCAGAGCGCCGGCGCGCA  
CCAGTACCAAGAAGGACCGGCTGCCTCGGGAGGCACAGAGGACATGGCTAAGGATTGTGGCCTTTGGGGT  
CGGCCTTGCTCTGGTCACATGTCTGCTCTGGAGTAGTGTGGGATCGATGATGTTGCTGAGGTTGTG  
GCCCGTCGTGGTGAAGTCTAGAAGGCAGGTTTCATTGAGGTTCCCTGCTCTGAGGACTACGATGGTCACC  
GAAGGTTTGAAGGCTGTACCCCAAGGAAGTGTGGCAGAGGTGTCCTGACATCGTCATCACCAGGGAGGA  
GGCGGAGCAGATTCGCAGAATAGCAGAGAAAGGGCTCTCCCTAGGTGGATCGGATGGAGGGGCATCTATC  
CTGGACCTGCACTCTGGAGCCTTGTCTGTTGGGAAACACTTTGTGAACCTGTATAGATACTTTGGAGATA  
AAATACAAAATATCTTCTCTGAGGAGGACTTTTCAGTTATATAGGGACATTCGGCAGAAGGTCCAGCTCAC  
CATCGCGGAAGCTTTTCGGCATCAGTGATCCTTGTGCTGACCTGACGAAGCCACATTTTTCTCGGAATA  
AATAGCACAGAAGCCCGGACAGCTCATGATGAGTACTGGCAGCACACGTGGACAAGGTGACCTACGGCT  
CTTTTGACTACACTTCGCTGCTTACCTATCGGATTACTTAGAGGACTTCGGTGGAGGGCGCTTTGTGTT  
CATGGAAGAAGGGTCCAACAAGACAGTGGAGCCAGAGCTGGTCGAGTCTCATTCTTTACCTCAGGCTCT  
GAGAACCTGCACCGAGTGGAGAAAGTCTCTGGGGCACCCGCTACGCCATCACCATCGCTTTCACCTGCA  
ACCCGGACCACGGCATCGAGGACCCAGTACTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204516 protein sequence  
 Red=Cloning site Green=Tags(s)

```
MAPQRRGPPRIPEGSSAAERRRATSTKKDRLPREAQRWLRIVAFVGLALVTCLLWSSVGIDDDVAEVV
ARRGEVLEGRFIEVPCSEYDGHRRFEGCTPRKCGRGVTDIVITREEAEQIRRIAEEKLSLGGSDGGASI
LDLHSGALSVGKHFVNLRYFVGDKIQNIFSEEDFQLYRDIRQKVQLTIAEAFGISASLLYLTKPTFFSRI
NSTEARTAHDEYWHAHVDKVTYGSFDYTSLLYLSDYLEDFFGGGRFVFMEEGSNKTVEPRAGRVSFFTSGS
ENLHRVEKVLWGTRYAITIAFTCNPDHGIEDPVL T
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025402

**ORF Size:** 948 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\\_025402.2](#)

**RefSeq Size:** 1243 bp

**RefSeq ORF:** 948 bp

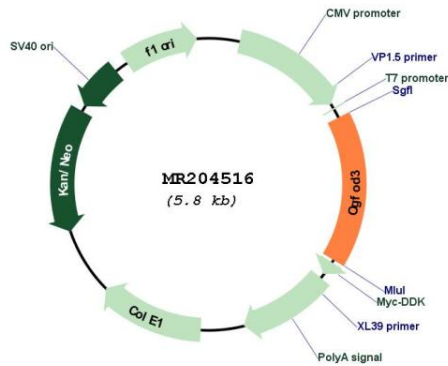
**Locus ID:** 66179

**UniProt ID:** [Q9D136](#)

**Cytogenetics:** 11 E2

**MW:** 35.4 kDa

**Product images:**



Circular map for MR204516