

Product datasheet for **MR214273**

Oog4 (NM_173773) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oog4 (NM_173773) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oog4
Synonyms:	E330017M15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR214273 representing NM_173773
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATACCTGTATGGCCCTTCCCATACCTTTCTTTAGGAAAGCTGATAAAGAATTGCAACCTGGAGACTT
 TGAAGGCTATGCTTGAGGGAGTGGATATACTGCTTGACAAAATGATCGCTCCAGTAGATGCAAACTCAG
 AGTGCTCGATTTAAGGAATGAATACCATACTTTGTGGAGAATATGGGGTGGATCCTATGAAGGTAGAGGC
 TTGCCAGAGTTTATGACACAGCAGCAGCAATGGAGAAGTGTCTGACTGTGGGTGAATAAAGAATTGA
 AGGTGACAACCTGACCTCAACCTCGTGGATGGTGGACTTGATGAATCTGCCACATACTTGTTCAGTGGGC
 CCAGCAGAAAAAGATTCCATTCATCTATGCTGTACGATGTTGAGAATTCATAGCTTACCCAAAGACATA
 TTCAGAGATATCCTCAAATTGTAAATACAGGCTGTATACAGGAGCTTCAGTTGAAGGAATTGTACACAG
 AAGAGTTGGTTTTCTTATACCTTACCTGAGAGAAATGAACAATCTTCTTACATTCATGCTAAGTAGCAT
 CAGAGAAACCTGCAGAATGGATAACTCGACAAGGCTTGATGAAGAGAATATAAGCAGGTTTATTTCTCGC
 CTTCCCAAATTCAGTGTCTGCAGAATCTCTATGTAAATGATATACCCTTCTAGGAAACACCTGAAAG
 ACTTCCTCAGGTGCCTGGGAAGCCCTTGAGACTCTTTGCCTCACTTCTTGTGACTTATCACAGTCAGA
 CTTGGATTACCTGCCCTGTTGCCAGAATACTTCTGCACTCAAACGTCTGAACCTGACTGTACAAGTTTG
 CGTGGTTTAGTCTTTATCCTCTTGGAGTTCTCCTTGAGAGTGTAGAGGTACACTGCAATCCCTGGAAT
 TAGAGTTGTGTTTATGGAGGACTCTCAGATCAGTGCCATTTTGCTGCCCTAAGCCAATGTTCCCATCT
 CACAAAGGTCAATTTCTATGATAATGAACCTCTCTGCCTATCCTGAGACAACTTCTATACCACACAGCC
 AACCTGAGCCAGCTGACCTATGAGGTATACCCTGCCCTCTAGAGTGTATAATGACATGAATATAATAC
 TAACACATAAGTTAGAAAATTTTGTCTGAGCTTCTGGACATAATCAGGGCCAATAGGCAGCCCAACAG
 AGTCACATTTGCTACATCCAAATGTTTAACTGTTGTGGGTCTACGTTTATGATCTGGAGACCCAGAGC
 TGCTTATACCAGAAAGATCTACTGGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214273 representing NM_173773
 Red=Cloning site Green=Tags(s)

MIPVWFPYLSLGLIKNCNLETLKAMLEGVDILLAQNDRSSRCKLRVLDLRNEYHTLWRIWGSYEGRG
 LPEFMTQQQPMENCPDCGVNKLKVTTDLNLVDGGLDESATYLLQWAQQKKDSIHLCTMLRIHSLPKDI
 FRDILKIVNTGCIQELHLKELYEELVFLIPYLREMNLLTFMLSSIRETCRMDNSTRLDEENISRFISR
 LPKFHCLQNLVYNDITLLGNLKDFLRCLGKPLETLCLTSCDLQSDDLDPCCQNTSALKRLNLATSL
 RGLVFHPLGVLLSVRGTLQSLELELCFMEDSQISAILPALSQCSHLTKVNFYDNELSLPILRQLLYHTA
 NLSQLTYEVYPAPLECYNDMNIILTHKLENFCPELLDIIRANRQPNRVTFATSKCLICCGSYVYDLETQS
 CLYQKDILLED

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mm9065_d12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173773

ORF Size: 1290 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_173773.2](#)

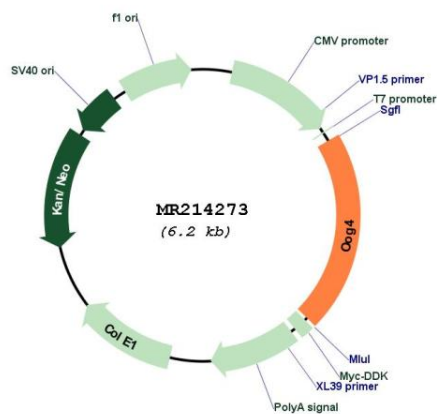
RefSeq Size: 1959 bp

RefSeq ORF: 1293 bp

Locus ID: 242737

Cytogenetics: 4 E1
MW: 49.5 kDa

Product images:



Circular map for MR214273