

Product datasheet for **MR207954**

Oog1 (NM_178657) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oog1 (NM_178657) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oog1
Synonyms:	c-1; Oog
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207954 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGATCTGTCTCCATTGTCCAGATCAGGATGATTCTTTAGAAGAAGTCACAGAGGAATGCTATTCCC
 CACCCACCTCCAGAACCTGGCAATTCAGAGTCTACTGAGGGATGAGGCCTTGGCCATTTCTGCTCTCAC
 GGACCTGCCCCAGAGTCTGTTCCAGTAATTTTGGAGAGGCCTTCACTGATGGATATATAGGGATCTTG
 AAGGCCATGATACCTGTGTGGCCCTTCCATACCTTTCTTGAAGAAAGCAGATAAATAATTGCAACCTGG
 AGACTTTGAAGGCTATGCTTGAGGGACTAGATATACTGCTTGACAAAAGGTTCAAACAGTAGGTGCAA
 ACTCAGAGTAATTAATTGGAGAGAAGATGACTTGAAGATATGGGTGGATCCCATGAAGGTGAAGGCTTA
 CCAGATTTGAGGACAGAGAAGCAGCCAATTGAGAACAGTCTGGCTGTGAGGTGAAGAAAGAATTGAAGG
 TGACGACTGAAGTCCTTCGCATGAAGGGCAGACTTGATGAATCTACCACATACTTGTGAGTGGGCCCA
 GCAGAGAAAAGATTCTATTCATCTATTCTGTAGAAAGCTACTAATTGAAGGCTTAACCAAAGCCTCAGTG
 ATAGAAATCTTCAAACTGTACACGCAGACTGTATACAGGAGCTTATCCTAAGATGTATCTGCATAGAAG
 AGTTGGCTTTTCTTAATCCCTACCTGAACTGATGAAAAGTCTTTTCACTCACACTAGATCACATCAT
 AGGTACCTTCAGTTTGGGTGATTCTGAAAAGCTTGATGAGGAGACAATATTCAGCTTGATTTCTCAACT
 CCCACACTCCACTGTCTCCAGAACTCTATGTAATGATGTCCCTTTATAAAAGGCAACCTGAAAGAAT
 ACCTCAGGTGCCTGAAAAAGCCCTTGGAGACACTTTCATCAGTAAGTGTGACCTCTCACAGTCAGACT
 GGATTGCCTGCCCTATTGCCTGAATATTTGTGAAGTCAAACATCTGCATATTAGTGATATATTTATGT
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 ATTCATGTTGTATAGTGGACTTTCAGTTCAGTGCCTTGCTGCCTGCCCTAAGCCAATGTTCTCACCTCAG
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 CTGAGTCAGCTGATCTATGAGTGTACCCTGCCCTATAGAGTGTATGATGACAGTGGTGAATACTAA
 CACACAGATTAGAAAGTTTTTGTCTGAGCTTCTGGATATACTGAGAGCCAAAAGACAGCTCCATAGTGT
 CTCCTTTCAAACAACCAATGCTCTAAATGTGGTGGGTGCTACATTTATGATCGGCATACCCAATGTTGC
 CGTTTTGTGGAATACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207954 protein sequence
 Red=Cloning site Green=Tags(s)

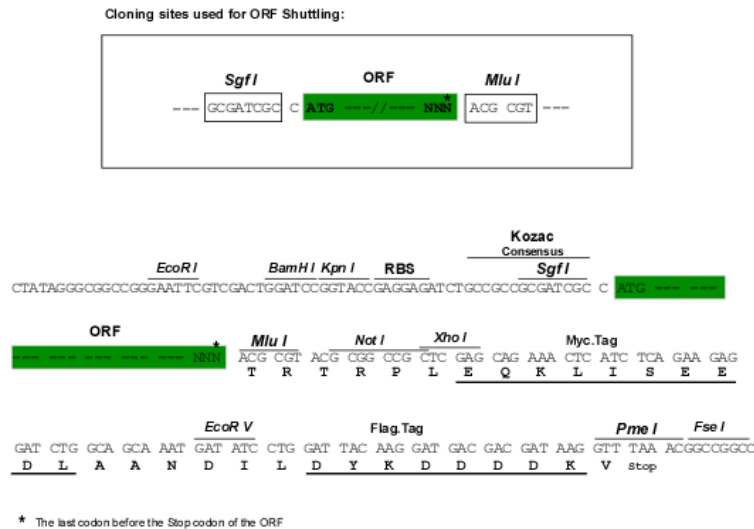
MVICLHCPDQDSDLSEEVTEECYSPPTLQNLAIQSLRDEALAI SALTDL PQSLFPVIFEEAFTDGYIGIL
 KAMIPVWPFYLSLGKQINNCNLETLKAMLEGLDILLAQKVQTSRCKLRVINWREDDLKIWAGSHEGEGL
 PDFRTEKQPIENSAGCEVKELKVTTEVLRMKGRLDESTTYLLQWAQQRKDSIHLFCRKLLEGLTKASV
 IEIFKTVHADCIQELILRCICIEELAFNLNPKLMSLFTLTLDHIIGTFSLGDSEKLDDEETIFSLISQL
 PTLHCLQKLYVNDVPFIKGNLKEYLRCLKPLETLCISNCDLSQSDLDCLPYCLNICELKHLHISDIYLC
 DLLLEPLGFLLEVRGDTLKTLELDSCCIYDFQFSALLPALSQCSHLREVTFYDNDVSLPFLKQLLHHTAL
 LSQLIYECYPAPIECYDDSGVILTHRLESFCPELLDILRAKRQLHSVSFQTTKCSKCGGCIYDRHTQCC
 RFVELL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_178657

ORF Size: 1488 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_178657.4](#), [NM_178657.5](#), [NP_848772.3](#)

RefSeq Size: 1840 bp

RefSeq ORF: 1491 bp

Locus ID: 193322

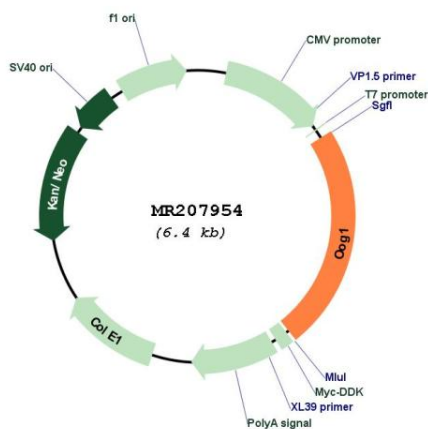
UniProt ID: [E9Q5G7](#)

Cytogenetics: 12 D2

MW: 56.6 kDa

Gene Summary: May act as a Ras-mediated signaling protein in early embryogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207954