

Product datasheet for **MC217048**

Oog1 (NM_178657) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC217048 representing NM_178657
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGATCTGTCTCCATTGTCCAGATCAGGATGATTCTTTAGAAGAAGTCACAGAGGAATGCTATTCCC
CACCCACCTCCAGAACCCTGGCAATTCAGAGTCTACTGAGGGATGAGGCCTTGGCCATTTCTGCTCAC
GGACCTGCCCCAGAGTCTGTTCCAGTAATTTTGGAGAGGCCTTCACTGATGGATATATAGGGATCTTG
AAGCCATGATACCTGTGTGGCCCTTCCATACCTTTCTTTAGGAAAGCAGATAAATAATTGCAACCTGG
AGACTTTGAAGGCTATGCTTGAGGGACTAGATACTGCTTGCACAAAAGGTTCAAACAGTAGGTGCAA
ACTCAGAGTAATTAATTGGAGAGAAGATGACTTGAAGATATGGGTGGATCCCATGAAGGTGAAGGCTTA
CCAGATTCAGGACAGAGAAGCAGCCAATTGAGAACAGTCTGGCTGTGAGGTGAAGAAAGAAATTGAAGG
TGACGACTGAAGTCCTTCGCATGAAGGGCAGACTTGATGAATCTACCACATACTTGTTCAGTGGCCCA
GCAGAGAAAAGATTCTATTCATCTATTCTGTAGAAAGCTACTAATTGAAGGCTTAACCAAAGCCTCAGTG
ATAGAAATCTTCAAACCTGTACACGCAGACTGTATACAGGAGCTTATCCTAAGATGTATCTGCATAGAAG
AGTTGGCTTTTCTTAATCCCTACCTGAAACTGATGAAAAGTCTTTTACACTCACACTAGATCACATCAT
AGGTACCTTCAGTTTGGGTGATTCTGAAAAGCTTGATGAGGAGACAATATTCAGCTTGATTTCTCAACT
CCCACACTCCACTGTCTCCAGAACTCTATGTAATGATGTCCCTTTTATAAAAGGCAACCTGAAAGAAT
ACCTCAGGTGCCTGAAAAAGCCCTTGGAGACACTTTCATCAGTAACCTGTGACCTCTCACAGTCAGACT
GGATTGCCTGCCCTATTGCCTGAATATTTGTGAACCAACATCTGCATATTAGTGATATATATTTATGT
GATTTACTCCTTGAGCCTCTTGGTTTTCTCCTTGAGAGAGTTGGAGATACCCTGAAAACCTGGAATTGG
ATTCATGTTGTATAGTGGACTTTCAGTTCAGTGCCTTGCCTGCCCTAAGCCAATGTTCTCACCTCAG
AGAGGTCACTTTCTATGATAATGATGTTTCTCTGCCTTTCTTGAACAACCTTCTACACCACACAGCCCTG
CTGAGTCAGTGATCTATGAGTGTACCCTGCCCTCTAGAGTGCTATGATGACAGTGGTGTAACTAA
CACACAGATTAGAAAGTTTTTGCCTGAGCTTCTGGATATACTGAGAGCCAAAAGACAGCTCCATAGTGT
CTCCTTTCAAACAACCAATGCTCTAAATGTGGTGGGTGCTACATTTATGATCGGCATACCCAATGTTGC
CGTTTTGTGGAACACTA**TAA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_178657

Insert Size: 1491 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_178657.5](#), [NP_848772.3](#)

RefSeq Size: 1840 bp

RefSeq ORF: 1491 bp

Locus ID: 193322

UniProt ID: [E9Q5G7](#)

Cytogenetics: 12 D2

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