

Product datasheet for **RR205749**

Ovol1 (NM_001107572) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ovol1 (NM_001107572) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ovol1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205749 representing NM_001107572 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCGCGCTTCTGGTGAAGAAGCCATGCGTCTCCACGTGCAAGAGGAAGTGGAGCGAGCTCCCGG
ACGAGGAGCGCGGGGAGATCTACGTGCCAGTCAGCCTCGGCTTCTGCCACCGCAGCCCTACCTCGAACC
AGAGGCGTCAGTGGCCGAGCCCCCTTCTTGCCCCCTGGCTTTGGACATGAGCCTTCGAGACTCCAGCTAT
GGTGTGGCCTCAGGACCCTGCGAGGTGGCTCAGCTGCCCCCTGAGGATGTGAACCATCTGACGGATCCCC
AGAGCAGAGACCAGGGCTTCTACGAACCAAGATGAAGGTGACCTTGGGGGACAGTCCAAATGGAGACCT
TTTTACCTGTACATCTGCCAGAAGTCCTTACCTACCAGCGCATGCTGAACCGACACATGAAGTGTAC
AATGATGTCAAGAGGCATCTCTGCACTTACTGTGGGAAGGGTTTCAATGACACCTTTGACCTCAAGAGAC
ATGTCCGAACCCACACTGGTGTGAGGCCCTACAAGTGCAGTCTGTGTGACAAGGCCTTCACCCAGCGCTG
CTCTCTGGAGTCTCACCTCAAGAAGATCCATGGTGTGCAGCAGAAGTATGCATATAAGGAGCGCCGGGCC
AAGCTGTATGTGTGTGAGGAGTGTGGCTGCACTTCTGAGAGTCAGGAGGGCCATGTCCTGCACCTCAAGG
AACACCACCTGACAGCCCACTGCTGCGCAAGACCTCCAAGAAGGTGGCTGTGGCTCTGCAGAACTGT
CACATCCCTGCTGCAAGGCAGCCCCATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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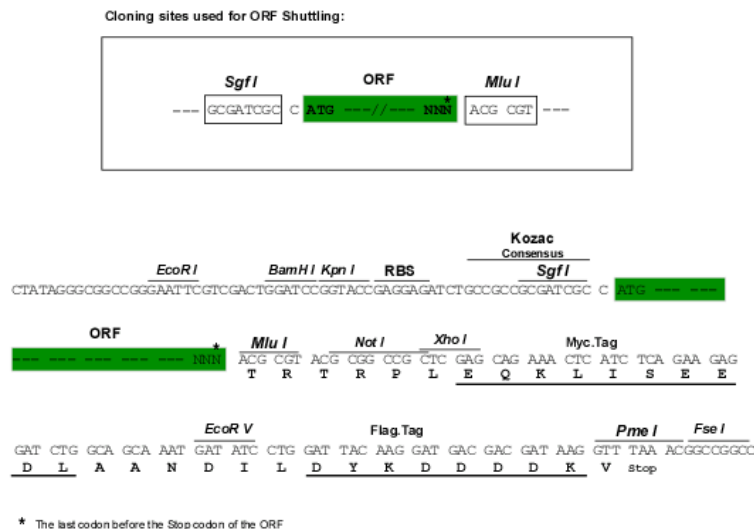
Protein Sequence: >RR205749 representing NM_001107572
 Red=Cloning site Green=Tags(s)

MPRAFLVKKPCVSTCKRNWSELPEERGEIYVPVSLGFCPPQPYLEPEASVAEPPSCPLALDMSLRDSSY
 GVASGPCEVAQLPPEDVNHLTDPQSRDQGLRRTKMKVTLGDSPNGDLFTCHICQKSFTYQRLNRHMKCH
 NDVKRHLCTYCGKGFNDTFDLKRHVTRHTGVRPYKCSLCKAFTQRCLESHLKKIHGVQKQYAYKERRA
 KLYVCEECCGCTSESQEGHVLHLKEHHPDSPLLRTSKKVAVALQNTVTSLQLGSPHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107572

ORF Size: 801 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_001107572.1, NP_001101042.1

RefSeq Size: 2993 bp

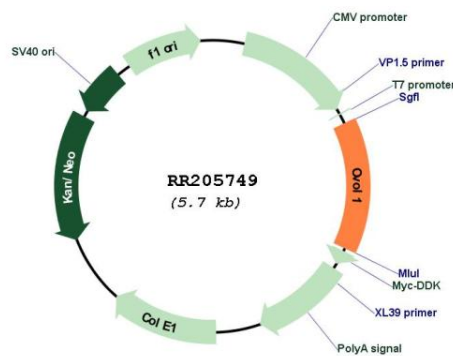
RefSeq ORF: 804 bp

Locus ID: 309164

Cytogenetics: 1q43

MW: 30.2 kDa

Product images:



Circular map for RR205749