

Product datasheet for **RR207879**

Omp (NM_012616) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Omp (NM_012616) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Omp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207879 representing NM_012616
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGACGGGCCACAGAAGCAGCAGCTGGATATGCCGCTGGTTCTGGACCAGGACCTGACTAAGC
AGATGCGGCTCCGAGTAGAGAGCCTGAAGCAGCGCGGGGAGAAGAAGCAGGATGGTGAGAAGCTGCTCCG
GCCGGCTGAGTCTGTCTACCGCCTTGATTTTCATCCAGCAGCAGAAGCTGCAGTTCGATCACTGGAACGTG
GTTCTGGACAAGCCGGCAAGGTCACCATCACGGCACCTCGCAGAACTGGACGCCAGACCTCACCAACC
TCATGACACGCCAGCTGCTGGACCCTGCTGCCATCTTCTGGCGCAAGGAAGACTCCGATGCCATGGATTG
GAATGAGGACAGACGCCCTGGAGTTTGGGGAGCGCCTTTCTGACCTGGCCAAGATCCGCAAGGTCATGTAT
TTCCTCATCACCTTTGGCGAGGGTGTGGAGCCCGCAACCTAAAGGCCTCTGTGGTGTAAACCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207879 representing NM_012616
Red=Cloning site Green=Tags(s)

MAEDGPQKQQLDMPLVLDQDLTKQMLRVESLQKQGEKKQDGEKLLRPAESVYRLDFIQQKQLQFDHWNV
VLDKPGKVTITGTSQNWTPDLTNLMTRQLLDPAEIFWRKEDSDAMDWNEADALEFGERLSDLAKIRKVMY
FLITFGEGVEPANLKASVVFNQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

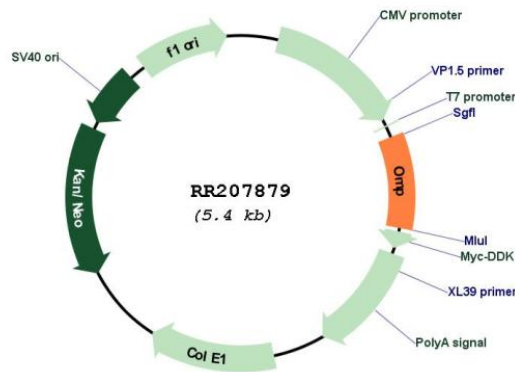


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Cloning Scheme:



Plasmid Map:



ACCN: NM_012616

ORF Size: 489 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:	<ol style="list-style-type: none">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:	<u>NM_012616.1</u> , <u>NP_036748.1</u>
RefSeq Size:	551 bp
RefSeq ORF:	492 bp
Locus ID:	24612
UniProt ID:	<u>P08523</u>
Cytogenetics:	1q32
MW:	18.9 kDa
Gene Summary:	plays a role in olfactory signal transduction; may bind brain protein Bex1 [RGD, Feb 2006]