

Product datasheet for **RN215967**

Obp3 (NM_147215) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Obp3 (NM_147215) Rat Untagged Clone
Tag: Tag Free
Symbol: Obp3
Synonyms: MGC108576
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215967 representing NM_147215
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGTTGCTGCTGCTGTGTCTGGCCTGACCCTGGTCTGTGGCCATGCAGAAGAAGCTAGTT
TCGAGAGAGGGAACTCGATGTGGACAAGCTCAATGGGGATTGGTTTTCTATTGTCGTGGCCTCTGATAA
AAGAGAAAAGATAGAAGAGAACGGCAGCATGAGAGTTTTGTGCAGCATATCGATGTCTTGAGAATTCC
TTAGGCTTCACGTTCCGTATTAAGGAAAATGGAGTGTGCACAGAATTTCTTTGGTTGCCGACAAAACAG
CAAAGGATGGCGAATATTTTGTGAGTATGACGGAGAGAATACATTTACTATACTTAAGACAGACTATGA
CAATTATGTATGTTTCATCTCGTTAATGTCAACAACGGGGAAACCTTCCAGCTGATGGAGCTCTATGGC
AGAACAAGGATCTGAGTTCAGACATCAAGGAAAAGTTTGCAAAACTATGTGTGGCACATGGAATCACTA
GGGACAATATCATTGACCTAACCAAGACTGATCGCTGTCTCCAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_147215
Insert Size: 540 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_147215.2</u> , <u>NP_671748.2</u>
RefSeq Size:	1006 bp
RefSeq ORF:	540 bp
Locus ID:	259247
Cytogenetics:	5q24
Gene Summary:	odorant binding protein and member of the alpha(2u)-globulin family [RGD, Feb 2006] Transcript Variant: The variant (1) represents the longest transcript. Variant 1, 2, and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.