

Product datasheet for RR208967

Obp2a (NM_001128139) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Obp2a (NM_001128139) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Obp2a
Synonyms: Lcn13; Obp2b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208967 representing NM_001128139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGAGCCTGCTCCTTACCGTCTGCTACTGGAGCTGGTGGCTGTCCTAAAGGCTCAGGAACCTCTAT
 TAGATGACCAGGAGGATTACTCTGGGACCTGGTACCCGAAGGCAATGGTACACAATGGGAGCCTACCCCA
 TTGCAAGCTACCCACTAGGGTTTTCCCTGTGAAAGTGATAGCTCTGGAAGACGGAGACTTGAGGCCACA
 GTTACAGTCTGGAAGGATGATCGGTGCCATGAATTTAAGTTTGTGATGAGGAAAACGAAAGAACCTGGCA
 TATACAGTACCTTTCATGGCAAGAAGACTGTTCATGTGGAAGAACATCAGTGGAGGGGCACTACATTTT
 CTACTGCGAAGGACTGCACAACGGGAAGTCGTTTGGGATGGGAAAACCTCATGGGAGAAACCTGAGGAA
 AACCCGGAGGCTATGGAAGAATTAAGAAATTCATACAGCGCATGGAACCTCAAGAGGAAAACATGTTTG
 TGCCAGAGATCAGAGATGAGTGTGTTAATGAAAGTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208967 representing NM_001128139
 Red=Cloning site Green=Tags(s)

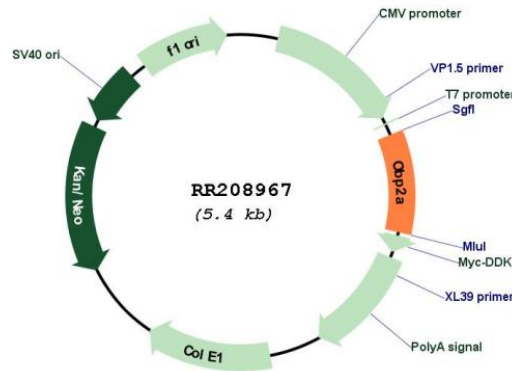
MKSLLLTVLLLELVAVLKAQELLLDDQEDYSWTYPKAMVHNGSLPHCKLPTRVFPVKVIALEDGDLEAT
 VTWKKDRCHEFKFVMRKTKEPGIYSTFHGKKT VHVEKTSVEGHYIFYCEGLHNGKSF GMGKLMGRNPEE
 NPEAMEEFKFKIQRMEHQEENMFVPEIRDECVNESD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001128139

ORF Size: 528 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_001128139.2</u> , <u>NP_001121611.1</u>
RefSeq Size:	719 bp
RefSeq ORF:	531 bp
Locus ID:	680754
Cytogenetics:	3p13
MW:	20.3 kDa