

Product datasheet for MR221305

Obp2b (NM_001099301) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Obp2b (NM_001099301) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Obp2b
Synonyms: Lcn14; OTTMUSG00000012631
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221305 representing NM_001099301
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGAGCCTGCTCCTCACCATCCTGCTGCTGGGGCTGGTGGCTGCTCCTGAAGGCTCAGGAAGCCCCGC
CAGATGACCTGGAGGATTTCTCTGGGATCTGGTACACACAGGCCATGGTGTCTGACAGGAATCACACAGA
TGGGAAGAGACCTATGAAAGTGTCCCTATGACCGTGATAGCCCTGGAAGGAGGGAGCTTAGAGGCCAG
CTAACATTCTGGGACAATGGTCATTGTACATGAAAAAATTTTGATGCATAAACTGACGAGCCTCACA
AGTACACTGCCTTCAAGGGCAAGAAGACCATCTATACAGGAGACTTCTGTAAAGGGCTACTACATCTT
GTATTGTGAAGGCCAGCGCCATGGGAGGTCACATCGGAAGGGGAACTCATAGGGACAACTCTGAGAAA
AAGCCAGAGGCCATGGAAGAATTCAAGAAATTTGCAATGAGCAAGGGATTAGAGAAGAAAAACATCATTG
TACCCGAGCAGCTGGATCAGTGTGTGTCTGGGAGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221305 representing NM_001099301
Red=Cloning site Green=Tags(s)

MKSLLLTILLGLVAVLKAQEAPPDDLEDFSGIWTQAMVSDRNHTDGKRPMKVFPMTVIALEGGSSLEAQ
 LTFWDNGHCHMKILMHKTDEPHKYTAFKGKTIYIQETSVKGYIYCEGQRHGRSHRKGKLIGTNSEK
 NPEAMEEFKKFAMSKGFREENIIVPEQLDQCVSGSN

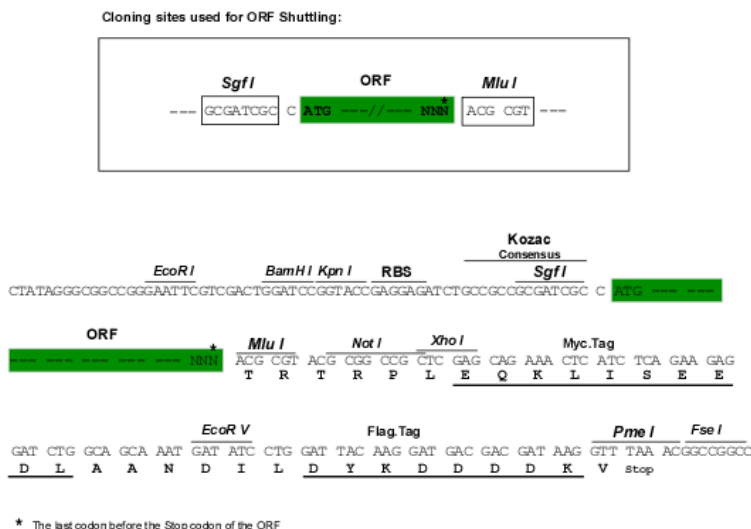
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_b03.zip


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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001099301

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

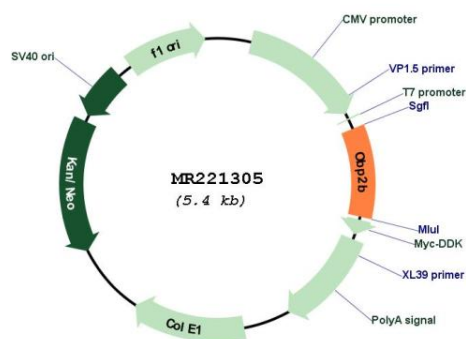
RefSeq: NM_001099301.1, NP_001092771.1

RefSeq Size: 732 bp

RefSeq ORF: 531 bp

Locus ID: 383678
 Cytogenetics: 2 A3
 MW: 20.5 kDa

Product images:



Circular map for MR221305