

Product datasheet for **MG221305**

Obp2b (NM_001099301) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Obp2b (NM_001099301) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Obp2b
Synonyms: Lcn14; OTTMUSG00000012631
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221305 representing NM_001099301
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAAGAGCCTGCTCCTCACCATCCTGCTGCTGGGGCTGGTGGCTGCTCCTGAAGGCTCAGGAAGCCCCGC
CAGATGACCTGGAGGATTTCTCTGGGATCTGGTACACACAGGCCATGGTGTCTGACAGGAATCACACAGA
TGGGAAGAGACCTATGAAAGTGTCCCTATGACCGTGATAGCCCTGGAAGGAGGGAGCTTAGAGGCCAG
CTAACATTCTGGGACAATGGTCATTGTCACATGAAAAAATTTTGATGCATAAACTGACGAGCCTCACA
AGTACACTGCCTTCAAGGCAAGAAGACCATCTATACAGGAGACTTCTGTAAAGGGCTACTACATCTT
GTATTGTGAAGGCCAGCGCCATGGGAGGTACATCGGAAGGGGAACTCATAGGGACAACTCTGAGAAA
AAGCCAGAGGCCATGGAAGAATTCAAGAAATTTGCAATGAGCAAGGGATTGAGAGAAGAAAACATCATTG
TACCCGAGCAGCTGGATCAGTGTGTGTCTGGGAGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221305 representing NM_001099301
Red=Cloning site Green=Tags(s)

MKSLLLTILLGLVAVLKAQEAPPDDLEDFSGIWYQAMVSDRNHTDGKRPMKVFPMTVIALEGGSSLEAQ
 LTFWDNGHCHMKILMHKTDEPHKYAFKGKTIYIQETSVKGYIYLCEGQRHGRSHRKGKLIGTNSEK
 NPEAMEEFKKFAMSKGFREENIIVPEQLDQCVSGSN

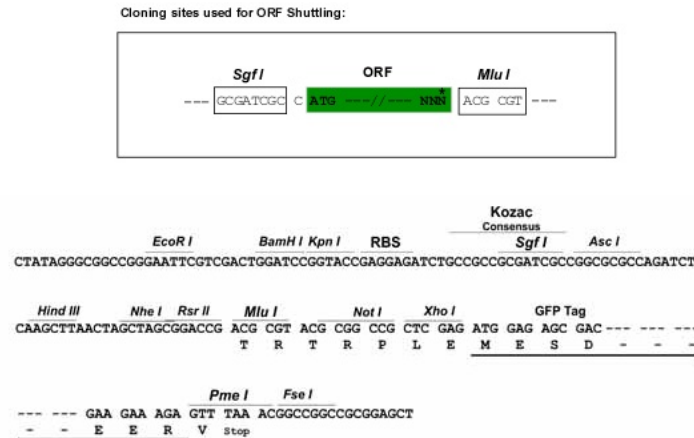
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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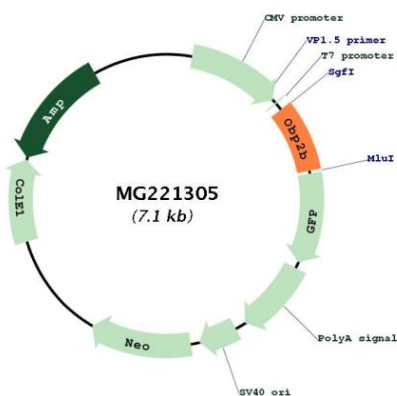
Cloning Scheme:



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:	<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.
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

Product images:



Circular map for MG221305