

## Product datasheet for **RG218732**

### **OBP2B (NM\_014581) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OBP2B (NM\_014581) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** OBP2B  
**Synonyms:** LCN14; OBPIIb  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG218732 representing NM\_014581  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGACCTGTTCTGGGTGTCACGCTCGGCCCTGGCCGCTGCCCTGTCCTTCACCTGGAGGAGGAGG  
 ATATCACAGGGACCTGGTACGTGAAGGCCATGGTGGTCGATAAGGACTTCCGGAGGACAGGAGGCCAG  
 GAAGGTGTCCCCAGTGAAGGTGACAGCCCTGGGCGGTGGGAAGTTGGAAGCCACGTTACCTTCATGAGG  
 GAGGATCGGTGCATCCAGAAGAAAATCCTGATGCGGAAGACGGAGGAGCCTGGCAAATACAGCCCTATG  
 GGGCAGGAAGCTCATGTACCTGCAGGAGCTGCCAGGAGGGACCACTACATCTTTACTGCAAAGACCA  
 GCACCATGGGGCCTGCTCCACATGGGAAAGCTTGTGGTAGGAATTCTGATACCAACCGGAGGCCCTG  
 GAAGAATTTAAGAAATTGGTGCAGCGCAAGGGACTCTCGGAGGAGGACATTTTACGCCCCCTGCAGACGG  
 GAAGCTGCGTTCCCGAACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG218732 representing NM\_014581  
 Red=Cloning site Green=Tags(s)

MKTLFLGVTLGLAAALSFTLEEEDITGTWYVKAMVVDKDFPEDRRPRKVPVKVVALGGGKLEATFTFMR  
 EDRCIQKKILMRKTEEPGKYSAYGGRKLMYLQELPRRDHYIFYCKDQHHGGLLHMGKLVGRNSDTNREAL  
 EEFKKLVRKGLSEEDIFPLQTGSCVPEH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


ACCN: NM\_014581

ORF Size: 510 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.

RefSeq: [NM\\_014581.2](#), [NP\\_055396.1](#)

RefSeq Size: 689 bp

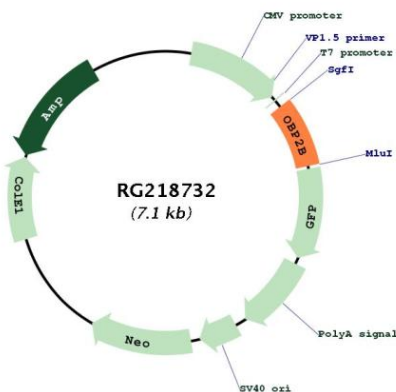
RefSeq ORF: 513 bp

Locus ID: 29989

UniProt ID: [Q9NPH6](#)

**Cytogenetics:** 9q34.2  
**Protein Families:** Secreted Protein  
**Gene Summary:** Probably binds and transports small hydrophobic volatile molecules.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG218732