

## Product datasheet for **MC222881**

### **Osbp16 (NM\_145525) Mouse Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                       |
| Product Name:      | Osbp16 (NM_145525) Mouse Untagged Clone   |
| Tag:               | Tag Free                                  |
| Symbol:            | Osbp16                                    |
| Synonyms:          | 1110062M20Rik; AI596402; mKIAA4128; ORP-6 |
| Vector:            | pCMV6-Entry (PS100001)                    |
| E. coli Selection: | Kanamycin (25 ug/mL)                      |
| Cell Selection:    | Neomycin                                  |



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Fully Sequenced ORF: >MC222881 representing NM\_145525  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCAGACGAGAAGGGCATATCCCCTGCTCATAAAACATCCACTCCGACCCATAGAAGTGCCTCGT  
 CTTCAACATCTTCTCAGAGGGAAAAGCAGACAGAGCATCCACGTTTTGGAGAGAAGTCTTATCCAGCAC  
 GGAGCCCTCTGTCACTCGGCAGTTGCTAGAGCCGGAGCCCATCCCCCTCTCCAAGGAAGCTGACAGCTGG  
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAAACCAGACAGGCACGAGGGATTTATGC  
 TGAAGAAAAGAAAATGGCCTTTAAAGGGCTGGCACAAGCGCTTTTTTGTCTGGATAATGGAATGCTGAA  
 GTATTCCAAGGCGCCACTTGATATCCAAAAAGGAAAAGTGACCGGGAGCATAGATGTCGGACTGTCTGTC  
 ATGTCGATTA AAAAGAAAGCTCGGAGGATAGACCTTGACACGGAAGAGCACATCTATCATTTGAAGGTGA  
 AATCCCAGGACTGGTTTGACGCTGGGTCTCCAACTGCGCCATCACAGTTGTACCGTCAGAATGAAAT  
 TGTGAGGTCGCCGAGAGATGCCAGTTTCCACATATTTCTGCAACTTCGACAGCTGAGTCTCCCGGCT  
 GCTAATGTCTCTGTTGTGGATGGAAGATGCAGCCCAACAGCTTTCCATGGCAGTCGCCATTACCATGCA  
 GTAACAGCCTCCCTGCGACCTGCACAACGGGCAGAGTAAAGTGGCAGCCTGGCTGCAGGACTCAGAAGA  
 AATGGACAGGTGTGCAGAAGATCTTGACACTGCCAGTCAAACCTTGTTGAACTTAGCAAGCTCTGCAA  
 AACTTGGAGATCCTTCAGAGAAGTCACTCGGCGCTAACTTCACTGACATGCAGGCTAACTGTGTAGATA  
 TTTCAAAGAAAGACAAGCGGGTCAAGACGCTGGAGGACAAAAGTGTGAGCAAGATACAAAAATACA  
 GCTCCAGGAAGGGCCACCTGCGAAGGGCCAGTTCAACACAACCTCGGCGCCGGCAGAGGCTAGCGGCAGCA  
 GTGGCTACAACAGTTCCTTTAGCGCCACCATGTCACCCGTGCGTCTGCACTCTCCAACCCCAACCTTT  
 GTGCAGACATTTAGTTCCAGACCCCTTAGCCACCTCACCGACCCTTGAAAGTTCACGGATTATAC  
 CAAGCTACAAGAAGAATTTGTCTAATTGCACAGAAAAGTGCAATTCTTCTGAAGTCTGCATTTAACAGC  
 ATAGCTATAGAGAAGGAGAAGCTGAAGCAGGTGGTCTCGGAGCAAGATCACAAACAAAGGCCACAGCACAC  
 AGATGGCCAGACTCCGGCAGTCACTGTACAGAGTGAAGGAGCCGGCAAATCCTGGGCACTTAACAGAA  
 CGCTGAGCTCCGGAGTCGGCTGAACAGAAATCACTCAGAGTCTACCATTGTGATCACGTTGTGAGTGA  
 AATATTATCCCTAGCCCCGATGAGCCTGGTGAGCAATCCATGTCAGCCTCCCTGTGACAGCAGGTGG  
 CCAACGAGAGCCGCTCTCCATGTCAGAATCCGTGTCAGAATTCTTCGATGCCAAAGAGGTGCTCCTGTC  
 TGCAAGCTCATCAGAGAATGAGGCTTCTGATGATGAGTCTACATCAGCGACGTGAGTGACAACATATCT  
 GAGGACAACACCAGTGTGCGGACAACATTTCTCGGCAAATCCTGAATGGGGAGCTCACAGGAGGCGCT  
 TCCGCAATGGCCGTGCGACCTGCCTGCCTGCTCCTTGCCCGACACCAGTAACATTAACCTGTGGAATAT  
 CTTGAGGAACAACATTGGCAAAGACCTGTGCAAGGTCTCCATGCCCGTGGAACTCAACGAGCCCTCAAC  
 ACCCTGCAGCACCTCTGTGAGGAAATGGAATACAGTGAGCTCCTGGACAAGGCTCAGAGACCGACGACC  
 CCTACGAGAGGATGGTTCTCGTCGCTGCCTTTCAGTCTCAGGACTGTTCACCTACTTCCGAGCAGG  
 AAGCAAGCCATTCAATCCGGTCTGGGGAGACCTATGAATGCATAAGAGAAGATAAGGGGTTTCGGTTC  
 TTCTCAGAACAAGTTAGCCATCATCCACCATTCTGCCTGTCACTGTGAATCCAAGAATTTTGTGTTTT  
 GGCAAGATATCAGATGGAAAAATAAGTTCTGGGAAAGTCCATGGAAATCCTGCCTGTGCGAACCCTGAA  
 CGTCACGCTTCCAAAATATGGGATTACTATGTGTGGAATAAAGTCACCACGTGCATACACAATATCCTG  
 AGTGGGAGGAGATGGATCGAGCACTACGGTGAAGTGACCCTTAGAAATACAAAAGCAGTGTTCGATTT  
 GCAAACCTCACGTTTGTCAAGGTGAATTACTGGAACCTCAAACGTGAATGAAGTCCAGGGGGTGGTATAGA  
 CCAGGAGGGGAAGGTGGTGCACCGGCTGTTTGGGAAATGGCACGAAGGACTCTACTGCGGGTGGCCCC  
 TCGGCAAAGTGCATCTGGAGACCAGTTCTCTGCCAACCAACTATGAGCTCTACTATGGCTTTACAAGAT  
 TTGCTGTGGAGCTCAATGAGTTGGACCCGCTCCTGAAGGACCTCCTTCCCCCACAGATGCCGATTCCG  
 GCCAGATCAAAGGTTTTTGAAGAAGGGAACCTAGAAGCCGACCCGAGAGAAACAAAGAGTTGAGGAA  
 CTCCAAAGATCGGAAGACGCTACATGGAGGAAAACAACCTTGAACATATACAAAATTTTTTAAAAAG  
 TTATTGATGCAAATCAAAGAGAAGCCTGGGTTTCTAACGACCTACTGGGAGCTCGAAAGGACCTGG  
 GTTTAGCAAAGTAGACAGCCCCGTTCTTTGGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_145525   |
| <b>Insert Size:</b>           | 2904 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_145525.3</a> , <a href="#">NP_663500.2</a>   |
| <b>RefSeq Size:</b>           | 8085 bp   |
| <b>RefSeq ORF:</b>            | 2904 bp   |
| <b>Locus ID:</b>              | 99031   |
| <b>UniProt ID:</b>            | <a href="#">Q8BXR9</a>  |
| <b>Cytogenetics:</b>          | 2 C3  |
| <b>Gene Summary:</b>          | Weakly binds 25-hydroxycholesterol.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.   |