

## Product datasheet for **MG223628**

### **Osbp16 (NM\_145525) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp16 (NM_145525) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Osbp16
Synonyms:	1110062M20Rik; AI596402; mKIAA4128; ORP-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG223628 representing NM\_145525  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCAGACGAGAAGGGCATATCCCCTGCTCATAAAACATCCACTCCGACCCATAGAAGTGCCTCGT  
 CTTCAACATCTTCTCAGAGGGAAAAGCAGACAGAGCATCCACGTTTTGGAGAGAAGTCTTATCCAGCAC  
 GGAGCCCTCTGTCAAGTCCGAGTTGCTAGAGCCGGAGCCCATCCCCCTCTCCAAGGAAGCTGACAGCTGG  
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAAACAGACAGGCACGAGGGATTTATGC  
 TGAAGAAAAGAAAATGGCCTTTAAAGGGCTGGCACAAGCGCTTTTTTGTCTGGATAATGGAATGCTGAA  
 GTATTCCAAGGCGCCACTTGATATCCAAAAAGGAAAAGTGCACGGGAGCATAGATGTCGGACTGTCTGTC  
 ATGTCGATTAATAAGAAAGCTCGGAGGATAGACCTTGACACGGAAGAGCACATCTATCATTTGAAGGTGA  
 AATCCCAGGACTGGTTTACGCTTGGGTCTCCAACTGCGCCATCACAGTTGTACCGTCAGAATGAAAT  
 TGTGAGGTCGCCGAGAGATGCCAGTTTCCACATATTTCTGCAACTTCGACAGCTGAGTCTCCCGGCT  
 GCTAATGTCTCTGTTGTGGATGGAAGATGCAGCCCAACAGCTTTCCATGGCAGTCGCCATTACCATGCA  
 GTAACAGCCTCCCTGCGACCTGCACAACGGGCAGAGTAAAGTGGCAGCCTGGCTGCAGGACTCAGAAGA  
 AATGGACAGGTGTGCAGAAGATCTTGCACACTGCCAGTCAAACCTTGTGGAACCTAGCAAGCTCTGCAA  
 AACTTGGAGATCCTTCAGAGAAGTCAAGTCCGCGCCTAACTTCACTGACATGCAGGCTAACTGTGTAGATA  
 TTTCAAAGAAAGACAAGCGGGTCAAGACGCTGGAGGACAAAAGTGTGAGCAAGATACAAAAATACA  
 GCTCCAGGAAGGGCCACCTGCGAAGGGCCAGTTCAACACAACCTCGGCGCCGGCAGAGGCTAGCGGCAGCA  
 GTGGCTACAACAGTTCCTTTCAGCGCCACCATGTCACCCGTGCGTCTGCACTCTCCAACCCCAACCTTT  
 GTGCGACATTTAGTTCCAGACCCCTTAGCCACCTCACCGACCCTCTGAAAAGTCCACGGATTATAC  
 CAAGCTACAAGAAGAATTTTGTCTAATTGCACAGAAAAGTGCATTCTCTTGAAGTCTGCATTTAACAGC  
 ATAGCTATAGAGAAGGAGAAGCTGAAGCAGGTGGTCTCGGAGCAAGATCACAAACAAAGGCCACAGCACAC  
 AGATGGCCAGACTCCGGCAGTCACTGTACAGAGTGAAGGAGCCGGCAAATCCTGGGCACTTAACAGAA  
 CGCTGAGCTCCGGAGTCCGCTGAACAGAAATCACTCAGAGTCTACCATTTGTGATCACGTTGTGAGTGA  
 AATATTATCCCTAGCCCGATGAGCCTGGTGAGCAATCCATGTCAGCCTCCCTCTGTACAGCAGGTGG  
 CCAACGAGAGCCGCTCTCCATGTCAGAATCCGTGTCAGAATCTTCGATGCCAAGAGGTGCTCCTGTC  
 TGCAAGCTCATCAGAGAATGAGGCTTCTGATGATGAGTCTACATCAGCGACGTGAGTGACAACATATCT  
 GAGGACAACACCAGTGTGCGGACAACATTTCTCGGCAAATCCTGAATGGGGAGCTCACAGGAGGCGCT  
 TCCGCAATGGCCGTGCGACCTGCCTGCCTGCTCCTTGCCCGACACCAGTAACATTAACCTGTGGAATAT  
 CTTGAGGAACAACATTGGCAAAGACCTGTGCAAGGTCTCCATGCCCGTGGAACTCAACGAGCCCTCAAC  
 ACCCTGCAGCACCTCTGTGAGGAAATGGAATACAGTGAAGTCTCTGGACAAGGCTCAGAGACCGACGACC  
 CCTACGAGAGGATGGTTCTCGTGCCTGCTTTCAGTCTCAGGACTGTTCCACCTACTTCCGAGCAGG  
 AAGCAAGCCATTCATCCGGTCTGGGGGAGACCTATGAATGCATAAGAGAAGATAAGGGGTTTCGGTTC  
 TTCTCAGAACAAGTTAGCCATCATCCACCATTCTGCCTGTCACTGTGAATCCAAGAATTTTGTGTTTT  
 GGCAAGATATCAGATGGAAAAATAAGTTCTGGGAAAGTCCATGGAAATCCTGCCTGTGCGAACCCTGAA  
 CGTCACGCTTCCAAAATATGGGATTACTATGTGTGGAATAAAGTCAACACGTGCATACACAATATCCTG  
 AGTGGGAGGAGATGGATCGAGCACTACGGTGAAGTGACCCTTAGAAATACAAAAGCAGTGTTCGATTT  
 GCAAACCTCACGTTTGTCAAGGTGAATTAAGTGAACCTCAAACGTGAATGAAGTCCAGGGGGTGGTATAGA  
 CCAGGAGGGGAAGGTGGTGCACCGGCTGTTTGGGAAATGGCACGAAGGACTCTACTGCGGGTGGCCCC  
 TCGGCAAAGTGCATCTGGAGACCAGTTCTCTGCCAACCAACTATGAGCTCTACTATGGCTTTACAAGAT  
 TTGCTGTGGAGCTCAATGAGTTGGACCCGCTCTGAAGGACCTCCTTCCCCCACAGATGCCGATTCCG  
 GCCAGATCAAAGGTTTTTGAAGAAGGGAACCTAGAAGCCGACCCGAGAGAAAACAAAGAGTTGAGGAA  
 CTCCAAAGATCGGAAGACGCTACATGGAGGAAAACAACCTTGAACATATACAAAATTTTTTAAAAAG  
 TTATTGATGCAAATCAAAGAGAAGCCTGGGTTTCTAACGACCTACTGGGAGCTCGAAAGGACCTGG  
 GTTTAGCAAAGTAGACAGCCCCGTTCTTTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG223628 representing NM\_145525  
 Red=Cloning site Green=Tags(s)

MSSDEKGISPAHKTSTPTHRASSTSSQRESRQSIHVLERTASSSTEPSVSRQLLEPEPIPLSKEADSW  
 EII EGLKIGQTNVQKPDREHEGFMKKRKRWPLKGWHKRFVLDNGMLKYSKAPLDIQKGVHGSIDVGLSV  
 MSIKKKARRIDLDT EEHIYHLKVKSQDWFDAVSKLRHHRLYRQNEIVRSPRDASFHIFPATSTAESSPA  
 ANVSVDGKMQPNSFPWQSP LPCSNSLPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQ  
 NLEILQRTQSAPNFTDMQANCVDISKDKRVTRRWRKTSVSKDTKIQLQEGPPAKGQFNTRRRQLAAA  
 VATTVPF SATMSPVRLHSSNPNL CADIEFQTPPSHLTDPLESSTDYTKLQEEFCLIAQKVHSLKSAFNS  
 IAIEKEK LKQVSEQDHNKGHSTQMARLRQSLSQSEGAGKSWALNQAELRSRLNRIHSESTICDHVVS  
 NIIPSPDEPGEQIHVSLPLSQQVANESRLSMSESVEFFDAQEVLLSASSSENEASDDESYISDVSDNIS  
 EDNTSVADNISRQILNGELTGGAFRNGRRTCLPAPCPDTSNINLWNILRNNIGKDL SKVSMPELVNEPLN  
 TLQHLCEEMEYSELLDKASETDDPYERMVLAFAVSGYCSTYFRAGSKPFNPVGETYECIREDKGRFR  
 FSEQVSHHPPISACHCESKNFVWQDIRWKNKFWGKSMEILPVGTLNVTLPKYGDYVWVWVTKTCIHNIL  
 SGRRWIEHYGEVTLRNTKSSVIC K LTFVKVNYWNSNVNEVQGVVIDQEGKVHRLFGKWHEGLYCGVAP  
 SAKCIWRPGSLPTNYELYYGFTFAVELNELDPVLKDLLPPTDARFRPDQRFL E EGNLEAAAAEKQRVEE  
 LQR SRRRYMEENLEHIPKFFKVIDANQREAWVSNDTYWELRKDPGFSKVDSPVLW

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

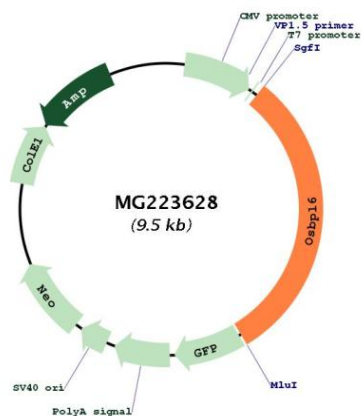


**ACCN:** NM\_145525

**ORF Size:** 2901 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\\_145525.3](#), [NP\\_663500.2](#)
- RefSeq Size:** 8055 bp
- RefSeq ORF:** 2904 bp
- Locus ID:** 99031
- UniProt ID:** [Q8BXR9](#)
- Cytogenetics:** 2 C3
- Gene Summary:** Weakly binds 25-hydroxycholesterol.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG223628