

Product datasheet for **MR210095**

Osbp16 (BC022908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp16 (BC022908) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp16
Synonyms:	MGC30542, ORP-6, mKIAA4128
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210095 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCCCAACAGCTTTCCATGGCAGTCGCCGTTACCATGCAGTAACAGCCTCCCTGCGACCTGCACAA
 CTGGGCAGAGTAAAGTGGCAGCCTGGCTGCAGGACTCAGAAGAAATGGACAGGTGTGCAGAAGATCTTGC
 ACACTGCCAGTCAAACCTTGTGGAACCTAGCAAGCTCCTGCAAAACTTGAGATCCTTCAGAGAAGTTCAG
 TCGGCGCCTAACTTCACTGACATGCAGGCTAAGTGTAGATATTTCAAAGAAAGACAAGCGGGTACAA
 GACGCTGGAGGACAAAAGTGTGAGCAAGATACAAAAATACAGCTCCAGGTTCTTTTCAGCGCCACCAT
 GTCACCCGTGCGTCTGCACTCCTCAACCCCAACCTTTGTGCGGACATTGAGTTCAGACCCCTCCTAGC
 CACCTCACCGACCCTCTGGAAAGTTCACGGATTATACCAAGCTACAAGAAGAATTTGTCTAATTGCAC
 AGAAAGTGCATTCTTTCTGAAGTCTGCATTTAACAGCATAGCTATAGAGAAGGAGAAGCTGAAGCAGGT
 GGTCTCGGAGCAAGATCACAAACAAAGGCCACAGCACACAGATGGCCAGACTCCGGCAGTCACTGTACAG
 GCACTTAACCAGAACGCTGAGCTCCGGAGTCGGCTGAACAGAATACACTCAGAGTCTACCATTTGTGATC
 ACGTTGTCAAGTAAATATTATCCCTAGCCCCGATGAGCCTGGTGAAGCAATCCATGTACGCTCCCTCT
 GTCACAGCAGGTGGCCAACGAGAGCCGCTCTCCATGTGAGAATCCGTGTGAGAATCTTCGATGCCCAA
 GAGGTGCTCCTGTCTGCAAGTCAATCAGAGAATGAGGCTTCCGATGATGAGTCTACATCAGCGACGTGA
 GTGACAACATATCTGAGGACAACACCAGTGTGCGCCGACAACATTTCTCGGCAATCTGAATGGGGAGCT
 CACAGGAGGCGCCTTCCGCAATGGCCGTCGCACCTGCCTGCCTTGCCTGCTCCTTGCCTGGACACCAGTAA
 AACCTGTGGAATATCTTGAGGAACAACATTGGCAAAGACCTGTGGAAGGTCTCCATGCCCCGTGGAACCT
 ACGAGCCCTCAACACCCTGCAGCACCTGTGAGGAAATGGAATACAGTGAAGTCTCCATGCCCCGTGGAACCT
 AGAGACCGACGACCCCTACGAGAGGATGGTTCTCGTGCCTTTGCAGTCTCAGGGTACTGTTCCACC
 TACTTCCGAGCAGGAAGCAAGCCATTCAATCCGGTCTGGGGGAGACCTATGAATGCATAAGAGAAGATA
 AGGGGTTTCGGTCTTCTCAGAACAAGTTAGCCATCATCCACCCATTTCTGCCTGTCACTGTGAATCCAA
 GAATTTTGTGTTTGGCAAGATATCAGATGGAAAAATAAGTTCTGGGAAAGTCCATGGAATCCTGCCT
 GTCGGAACCTGAACGTACGCTTCCAAAATATGGGGTACTATGTGTGGAATAAAGTCAACACGTGCA
 TACACAATATCCTGAGTGGGAGGAGATGGATCGAGCACTACGGTGAAGTGACCCTTAGAAATACAAAAG
 CAGTGTTCGATTTGCAAACTCACGTTTGTCAAGGTGAATTAAGTGAACCTCAACGTGAATGAAGTCCAG
 GGGTGGTATAGACCAGGAGGGAAGGTGGTGCACCGGCTGTTGGGAAATGGCAGGAGGACTCTACT
 GCGGGGTGGCCCCCTCGGCAAGTGCATCTGGAGACCAGGTTCTCTGCCAACCACTATGAGCTCTACTA
 TGGCTTACAAGATTTGCTGTGGAGCTCAATGAGTTGGACCCCGTCTGAAGGACCTCTTCCCCCACA
 GATGCCGATTCCGGCCAGATCAAAGGTTTTTGGAAAGGGAACCTAGAAGCCGAGCCGAGAGAAAAC
 AAAGAGTTGAGGAACTCAAAGATCGCGAAGACGCTACATGGAGGAAAACAACCTTGAACATATACCAAA
 ATTTTTAAAGCTTGTGCTGCTCAGATTTGGCCCCACTGTGGTTAGACCAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210095 protein sequence
Red=Cloning site Green=Tags(s)

MQPNSFPWQSPLPCSNLSPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQNLLEILQRTQ
 SAPNFTDMQANCVDISKKDKRVTRRWRKTSVSKDTKIQLQVPPSATMSPVRLHSSNPNCADIEFQTPPS
 HLTDPLESSTDYTKLQEEFCLIAQKVHSLKSAFNIAIEKEKLVQVSEQDHNKGHSTQMARLRQSLSQ
 ALNQNAELRSRLNRIHSESTICDHVSVNIIPSPDEPGEQIHVSLPLSQQVANESRLSMSESVSEFFDAQ
 EVLLSASSSENEASDDESYISDVSDNISEDNTSVADNISRQILNGELTGGAFRNGRRTCLPAPCPDTSNI
 NLWNILRNNIGKDL SKVSMPVELNEPLNQLHLCEEMEYSELLDKASETDDPYERMVLAFAVSGYCST
 YFRAGSKFPNPVLGETYECIREDKGFRRFSEQVSHHPPISACHCESKNFVFWQDIRWKNKFWGKSMEILP
 VGTLNVTLPKYGDYYVWVKVTTCTIHNILSGRRWIEHYGEVTLRNTKSSVCICKLTFVKVNYWNSNVNEVQ
 GVVIDQEGKVVHRLF GKWHEGLYCGVAPSAKCIWRPGSLPTNYELYYGFTRFAVELNELDPVLKDLLPPT
 DARFRPDQRFLEEGNLEAAAAEKQRVEELQRSRRRYMEENNLEHIPKFFKACVCSDLAPLWLDQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC022908

ORF Size: 2085 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: [BC022908](#), [AAH22908](#)

RefSeq Size: 2688 bp

RefSeq ORF: 2087 bp

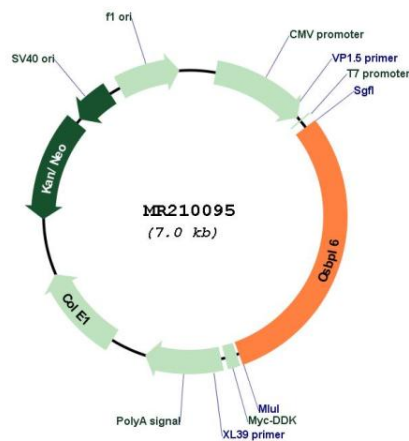
Locus ID: 99031

Cytogenetics: 2 C3

MW: 79 kDa

Gene Summary: Weakly binds 25-hydroxycholesterol.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210095