

Product datasheet for **RR208273**

Osbp2 (NM_001107232) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp2 (NM_001107232) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp2
Synonyms:	RGD1309479
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208273 representing NM_001107232
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAAGCGGCCGCTCTAAGCCGAGGCGGCCGCTGCGCTGGCCGCTCCCGGGCTCTCGTCGCTGT
 TCACGGTTGTGCCCTGTCTGTCTGCCACACGGCGGCCGGCATGAACTCGTCCACGTTGGGCTCAGG
 GCCGGCGCCAAAGCCTCAATTCCAGCCTGTACAGGCACCAGAGCGGGAGTTGCTGTCCGAACAGGTGTGT
 CAGCCAATTTCTGAGCCGAGATCCGAACCTGGGTCCAGACGACGTTTGTGCCACAGCCCTAGGGGCTG
 GGCAGGAATCGGAATCACTGGGATTGTGGCCGGGTCTGGGCCAATACCAAAGCTTCACCAGAGCTGCC
 ATCCCCGCGCGATCAACAGCAGAGAGTTTGCCTAACCCGAGTCTAAGGCGGGCCGAAGACCCAGTCT
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 CACCACCTCTGGACAGCTACAAGGGCTGGCTCTCAAGTGGACTAACTACCTGAAGGGCTACCAGCGCCG
 CTGGTTCGTGCTTGGCAATGGCCTGCTATCCTACTACAGAAACCAGGGTAAAATGGCCACACCTGCCGT
 GGAACCATCAACCTGGCCTCCGCGCACTTCGAAACAGAGGACTCTTGTGGAATCTTGCTATGCAACGGGG
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 AATGCTATGATCAACGCCTGTAAGGACTTCTGAACTAGCGGAGATTACAGCCGAAAATGGCAGCGGG
 CTCTGAAATATGAGCAGGAGCAACGAGTCCACCTGGAGGAAACCATTGAGCAGTTGGCCAAAGCAGACAA
 CAGTCTTGAACGGGCCTTCTGCAACACCCTGGCGGGCCAGCCAGCTCCAGCAAGAGCTTACGCGAGGGA
 AGCTTCTTGACTTCCAAAGGGGAGAACAGTGAAGAAGATGAAGATACTGAGTACTTTGATGCCATGGAAG
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 GACCTCTGTGGACTGGACCTCAGCAGATAATGTATTAGATGGTGCCTCATTATGCCCAAGGATTATGCA
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 ATTGCATTGGCCGAGAGCTCTCCGGATCCCCATGCCGGTGAACCTCAATGAGCCCTGTCCATGCTCCA
 GCGACTTACAGAGGACCTCGAGTACCACCCTGCTGGACAAGGGCGTGAACCTGCACCAGCTCTGTGGAG
 CAGATGTGCCTGGTGGCTGCCTTCTCGGTGCTCCTACTCCACCACCGTGCACCAGCTCGCCAAGCCCT
 TCAACCCGATGCTGGGGGAGACCTTCGAGTTGGATCGCCTGGAGGACATGGGCCTGCGTTCTCTCTGCGA
 GCAGGTGAGCCATCACCCCGTCTGCTGCCACCACGTGTTCTTAAGCATGGCTGGAGCCTCTGGCAG
 GAGATCACCATCGCCAGCAAGTTCGGGGGAAATACATCTCCATCATGCCACTTGGTGCCATCCACCTCG
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 CAGCCCCAGCTCTGATGGGAAGCAGAAAACCGTGTACCAGACGCTGCCAGCCAAGCTGCTATGGAGGAAA
 TACCCACTGCCGAGAACGCGGAGAACATGTAATTTCTCGGAGCTGGCCCTGACCCTCAACGAGCAGG
 AGGAGGGCGTGGCGCCACCAGCAGCCCTGCGGCCGACAGCGGCTGATGGAGAGGGCCGCTGGGA
 CGAGGCCAACACCGAGAAGCAGCGCCTGGAGGAGAAGCAGCGCCTGAACCGGCGACGCGGCTGGAGTGC
 TGCACGGCCGGCTGTGGCGGGGAGGAAGAGAAGGAGTCAAGTGGCTATTCGCCGCTGTGGTTCGAGAAGA
 GGCTGGACCCGCTGACCGGGGAGATGGCCTGCATATAAAGGGCGGCTACTGGGAGGCCAAGGAGAAGAA
 GGACTGGACATGTGCCCAACATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208273 representing NM_001107232
 Red=Cloning site Green=Tags(s)

MGKAAALSRGGGCAGRSRGLSSLFTVVPCLSCHTAAPGMNSSTLGSGPAPKPQFQPVQAPERELLSEQVC
 QPISEPRSEPGSQTTFFVPQPLGAGQESESLGLWPGSGPNTKASPELSPPRSTAESLPKPESKAGPKTQS
 VL R P G Q S K T S A G S P V S G T S V P M V S P L D S Y K G W L F K W T N Y L K G Y Q R R W F V L G N G L L S Y Y R N Q G E M A H T C R
 G T I N L A S A H F E T E D S C G I L L C N G A R T Y H L K A S S E V D R Q Q W I T V L E L A K A K A I R V M N T Q S D D S G D D D E E P A
 A P A D N S D L H H T L K T L S L K L D D L G T C N D L I A K H G A A L Q R S L N E L D S L K I P S E S G E K L K V V N E R A T L F R I T S
 N A M I N A C K D F L E L A E I H S R K W Q R A L N Y E Q E Q R V H L E E T I E Q L A K Q H N S L E R A F C N T P G G P A S S S K S F S E G
 S F L T S K G E N S E E D E D T E Y F D A M E D S T S F I T V I T E A K E D R K P E G G P G T T S V D W T S A D N V L D G A S F M P K D S C
 K V K R R V R I P D K P N Y S L N L W S I M K N C I G R E L S R I P M P V N F N E P L S M L Q R L T E D L E Y H H L L D K A V N C T S S V E
 Q M C L V A A F S V S S Y S T T V H R I A K P F N P M L G E T F E L D R L E D M G L R S L C E Q V S H P P S A A H H V F S K H G W S L W Q
 E I T I A S K F R G K Y I S I M P L G A I H L E F Q A S G N H Y V W R K S T S T V H N I I V G K L W I D Q S G D I E I V N H K T K D R C Q L
 K F V P Y S Y F S K E A A R K V T G V V S D S Q G K A H Y V L S G S W D E Q M E C S K I V H S S P S D G K Q K T V Y Q T L P A K L L W R K
 Y P L P E N A E N M Y Y F S E L A L T L N E Q E E G V A P T D S R L R P D Q R L M E R G R W D E A N T E K Q R L E E K Q R L N R R R R L E S
 C T A G C G G E E E K E S D G Y S P L W F E K R L D P L T G E M A C I Y K G G Y W E A K E K K D W H M C P N I F

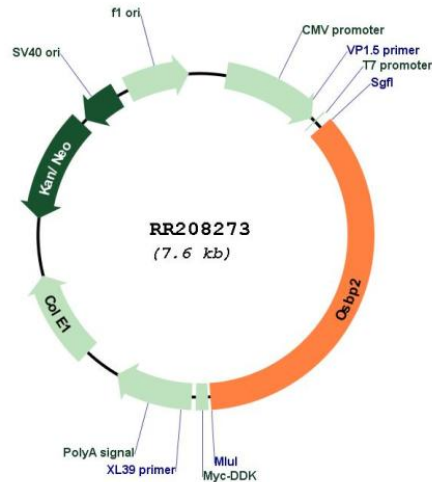
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107232

ORF Size: 2688 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_001107232.1](#), [NP_001100702.1](#)

RefSeq Size: 3952 bp

RefSeq ORF: 2691 bp

Locus ID: 305475

Cytogenetics: 14q21

MW: 99.8 kDa