

Product datasheet for **MR214741**

Osbp18 (NM_175489) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp18 (NM_175489) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp18
Synonyms:	AA536976; AA536995; C730029P18Rik; D330025H14Rik; OR; ORP-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214741 representing NM_175489
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCAGCCTTAGCAGACGGAGAACCTGACAGATCTTCGCTTCTTGGTGATAGCAAAGATGTCCTTG
 GGCCATCAACTGTTGTAGCGAACAGTGACGAACCTCAGCATTTGACCCAGGAAAGATGAGTCAGCGCCA
 AGGCAGAGACGCTAACCCAACCCCAACTAGAGATCTGCCTCAGCCTTCTCTCAGCCCCGCCAGCCTTAC
 AGCCAGGGTTTTGAAAGAGGAAAAGAAGACATTTCTCAAATAAAGATGACTCTTCACTTCAATGTCAA
 AGAGCAAGTCTGAATCTAAACTATATAATGGCTCAGAAAAGGACAGTTCAACTTCAAGTAAACTCACGAA
 GAAAGAGTCTCTAAGGTACAAAAGAAAACTACCGTGAAGAGAAGAAGAGGCCACGAAGGAGTTACTC
 AGCACCATCACAGACCCCTCTGTCATTGTCATGGCCGACTGGCTGAAGATTCTGGTACCCTGAAGAGCT
 GGACCAAGCTGTGGTGTGTGTTGAAACCTGGCGTCTTCTGATCTATAAAACACAAAAAATGGTCAGTG
 GGTCGGAACAGTCTTCTGAATGCTTGTGAGATCATTGAACGTCCATCAAAAAGGATGGCTTTTGTTC
 AAGCTTTTCCATCCTTTGGAGCAGTCTATTTGGGCAAGTGAAGGGTCTAAAGGTGAAGCGGTTGGCTCCA
 TAACCCAGCCTCTACCTAGCAGCTACTTGATTATCCGAGCTACTTCAGAGTCAGATGGAAGGTGCTGGAT
 GGATGCTTTGGAGTTGGCTTTGAAGTGTCCAGTCTCCTTAAGCGGACCATGGTGAGGGAGGGGAAGGAG
 CACGACCTGAGCATCTCCTCAGACAGCACACAGTGCAGCTGTATGGCTTACTGCGCGCTAACATCTCC
 ACAGTGGCGACAACCTCCAGTTGAATGACAGTGAGATCGAAAGACAGCACTTTAAGGACCAAGATTTGTA
 CTCTGATAAATCTGACAAGGAGAACCACCCGGAGCAGCATGAGTCTGACAACGAGGTGCTGGGGAAGAGC
 GAGGAGAGCGACACAGACAGTCCGAAAGGCAAGACGACTCGTACATCGACCTGAGCCTGTGGAGCCCT
 TAAAGGAGACCACCTACATGGAGCAGAGCCACGAAGAAGTGGGAGAGGCAGGTGAGGCCCTCAAACGGA
 AACTGTGTCTGAAGAAAACAAAAGCCTTATCTGGACGCTGCTCAAGCAAGTCCGTCCCGGATGGACCTA
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 ACCACGCCGATTTCTGTCTGAAGCTGCTCTAGAAGAAAATCCGTATTTCCGTTTGAAGAAAGTCTGAA
 ATGGTATTTGTCAGGATTTTATAAGAAGCCAAAGGGACTAAAGAAACCATATAATCTATACTTGGTGAG
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 ATCACCCACCAATATCTGCCTTTATGTCAGTAACCGGAAAGATGGGTTTTGCCTTAGTGGTAGCATCCT
 GGCTAAGTCCAAGTTTTATGAAACTCGTTATCTGCCATATTGGAGGGAGAAGCCCGGTTAACTTTCTTG
 AACAGAGGTGAAGATTACGTCATGACAATGCCATATGCTCACTGTAAGGAATTCCTTATGGCACAATGA
 CCTGGAGCTTGGTGGAACTGTCAATATTACCTGTGAGAAGACTGGATACAGTGGGATACCTTGAATTTAA
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 ATTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214741 representing NM_175489
 Red=Cloning site Green=Tags(s)

MEALADGEPDRSSLLGDSKDVLPSTVVANSDEPQHLTPGKMSQRQGRDANPTPTRDLPQPSLSPASLH
 SQGFERKEDISQNKDDSSLMSKSKSESKLYNGSEKDSSTSSKLTKKESLKVQKKNYREEKRAKELL
 STITDPSVIVMADWLKIRGTLKSWTKLWCVLKPGLVLLIYKTQKNGQWVGTVLLNACEIIERPSKKDGF
 KLFHPLEQSIWAVKGPKEAVGSITQPLPSSYLIIIRATSESDGRCWMDALELALKCSSLKRTMVRGKE
 HDLSISSDSTHVTLYGLLRANLHSGDNFQLNDSEIERQHFKDQDLYSDKSDKENDPEHDESDNEVLGKS
 EESDSDTTSERQDDSYIDPEPVEPLKETTMEQSHEELGEAGEASQTETVSEENKSLIWTLLKQVRPMDL
 SRVVLPTFILEPRSFDKLSDYYYHADFLSEAALLENPFYRLKKVVKWYLSGFYKPKGLKPPYNPILGE
 TFRCLWIHPRTNSKTFYIAEQVSHPPISAFYVSNRKGDFCLSGSILAKSKFYGNLSAILEGEARLTFL
 NRGEDYVMTMPYAHCKGILYGMTLELGGTVNITCQKTGYSAILKPKPFLGSSDYVNIQSGKLKLGKE
 VLATLEGHWDSEVFINDKKTDNSEIFWNPTDIPKQWRLIRHTVKFEEQDDFESEKLWQRVTKAINAKDQT
 EATQEKYVLEEAQRQAARDRKTQEWVCKLFELDPLTGEWHYKFSDTRPDPLNDMIQFEKDGVIQTKV
 KHRTPMVSVPKMKHKPTRQKKVVKGYSSPEPDIQDSSGSEAQSVKPTRRKKGIDLGDIIQSSIESIKQT
 QEEIKRNIMALRNHLLSSTPATDYFLQKDYFVIFLLILLQVIINFIFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

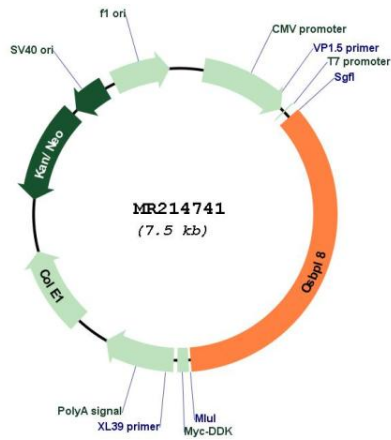
Cloning Scheme:



ACCN: NM_175489

ORF Size:	2667 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:	<ol style="list-style-type: none">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_175489.3 , NP_780698.2
RefSeq Size:	7152 bp
RefSeq ORF:	2670 bp
Locus ID:	237542
UniProt ID:	B9EJ86
Cytogenetics:	10 D1
MW:	101.7 kDa
Gene Summary:	This gene encodes a member of the oxysterol-binding protein (Osbp) family, a group of intracellular lipid receptors. Like most members, the encoded protein contains an N-terminal pleckstrin homology domain and a highly conserved C-terminal Osbp-like sterol-binding domain. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR214741