

Product datasheet for RN200117

Sp7 (NM_181374) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp7 (NM_181374) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sp7
Synonyms:	Osx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200117 representing NM_181374 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGTCCTCTCTGCTTGAGGAAGAAGCTCACTATGGCTCCAGTCCCCTGGCCATGCTGACAGCAGCCT
GCAGCAAGTTTGGTGGCTCCAGCCCTCTCGGAGACTCAACAGCCCTGGGAAAAGGAGGCACAAAGAAGCC
ATACACTGACCTTCAGCCCCAAAACCATGGGGGACGCCTACCCAGCTCCCTTCTCAAGCACCAATGGA
CTCCTCTCCCCTGCAGGCAGTCCCCCGGCCCGGCCTCTGGCTATGCCAATGACTACCCACCCCTTCCCC
ACTCATTTCTGGGCCACTGGTGCCAAAGACCCGGGGCTGCTGGTGCCGAAGGGGCACAGCTCTTCTGA
CTGCCTGCCTAGTGTCTACACGTCCTTGGATATGTCCCATCCCTACGGCTCCTGGTACAAGCGGGCATC
CATGCAGGCATCTCACCAGGTCTGGCAACACTCCTACCCTTGGTGGGACATGCACCCTGGGGCAATT
GGTTAGGTGGTGGGCAGGGCCAGGGTGTGGGCTGCAAGGGACACTGTCCACAGGCCCTGCCAGCCTCC
ACTGAACCCAGCTGCCTACTTACCCGTCTGACTTTGCCCCCTTAACCCAGCTCCCTATCCAGCACCC
CACCTCTTGCAACCAGGTCCCAGCATGTCTACCCCAAGATGTCTATAAGCCCAAGGCAGTTGGCAATA
GTGGGCAACTGGAGGGAGTGGTGCAGGCAAACCTCCCCGGGTGCAGGCACAGGGGGCAGTGGTGATA
TGCAGGCAGTGGGGCAGGGCTTCTACCTGCGACTGCCCAACTGTCAGGAGCTAGAGCGGCTGGGGCA
GCAGCGGTGGGCTGAGGAAGAAGCCATTACAGCTGCCACATCCCCGGCTGCGCAAGGTGTACGGCA
AGGCTTCGCATCTGAAAGCCACTTGGCTGGCACACTGGCGAGAGGCCTTTCGCTGCAACTGGCTTTT
CTGTGGCAAGAGGTTACCCGCTCTGACGAGCTGGAGCGCCACGTGCGCACTCACACCCGGGAGAAGAAG
TTCACCTGTCTGCTCTGCTCCAAGCGCTTACCCGAAGCGACCACTTGAGCAAACATCAGCGCACCCACG
GGGAGCCAGTCCCGGCCGCCCAAGTGCCCTAAGGAGCTGGGGAGGGTCGACGCTCGGGGAAGA
AGAAGCCAATCAGCCGCCCGATCTTCCACCTCGCTGCACCCCAAGAAAAGCCCTGGAGGCAGCCCA
GAGCAGAGCAACCTGCTAGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_181374
Insert Size:	1287 bp
OTI Disclaimer:	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).
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:	<u>NM_181374.2</u> , <u>NP_852039.2</u>
RefSeq Size:	1385 bp
RefSeq ORF:	1287 bp
Locus ID:	300260
Cytogenetics:	7q36
Gene Summary:	may act as a transcription factor; mouse homolog is required for bone formation and osteoblast differentiation [RGD, Feb 2006]