

Product datasheet for **RN200116**

Sp7 (NM_001037632) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sp7 (NM_001037632) 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: >RN200116 representing NM_001037632
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGACAGCAGCCTGCAGCAAGTTTGGTGGCTCCAGCCCTCTGCGAGACTCAACAGCCCTGGGAAAAG
 GAGGCACAAAGAAGCCATACACTGACCTTTCAGCCCCAAAACCATGGGGGACGCCTACCCAGCTCCCTT
 CTC AAGCACCAATGGACTCCTCTCCCTGCAGGAGTCCCCCGGCCCGGCTCTGGCTATGCCAATGAC
 TACCCACCCTTTCCCACTCATTTCCTGGGCCACTGGTGCCCAAGACCCGGGGCTGCTGGTGCCGAAGG
 GGCACAGCTCTTCTGACTGCCTGCCTAGTGTCTACACGTCCTTGGATATGTCCCATCCCTACGGCTCCTG
 GTACAAGCGGGCATCCATGCAGGCATCTCACCAGGTCCTGGCAACTCCTACCCCTTGGTGGGACATG
 CACCCTGGGGCAATTGGTTAGGTGGTGGGCAGGGCCAGGGTGATGGGCTGCAAGGGACTGTCCACAG
 GCCCTGCCAGCCTCCACTGAACCCCACTGCTACTTACCCGCTGACTTTGCCCCCTTAACCCAGC
 TCCCTATCCAGCACCCACCTCTTGCAACCAGTCCCCAGCATGTCTACCCCAAGATGTCTATAAGCCC
 AAGGCAGTTGGCAATAGTGGCAACTGGAGGGAGTGGTGCAGGCAAACCTCCCCGGGTGCAGGCACAG
 GGGCAGTGGTGGATATGCAGGAGTGGGGCAGGGCCTTCTACCTGCGACTGCCCAACTGTCAGGAGCT
 AGAGCGGCTGGGGCAGCAGCGGCTGGGCTGAGGAAGAAGCCATTACAGCTGCCACATCCCCGGCTGC
 GGCAAGGTGTACGGCAAGGCTTCGCATCTGAAAGCCCACTTGCCTGGCAGACTGGCAGAGGCCTTTTCG
 TCTGCAACTGGCTTTTCTGTGGCAAGAGTTTACCCGCTCTGACGAGCTGGAGCGCCACGTGCGCACTCA
 CACCCGGGAGAAGAAGTTACCTGTCTGCTCTGCTCCAAGCGCTTTACCCGAAGCGACCCTTGAGCAAA
 CATCAGCGCACCCACGGGAGCCAGGTCCCGGGCCGCCCAAGTGGCCCTAAGGAGCTGGGGGAGGGTC
 GCAGCGTCGGGGAAGAAGAAGCCAATCAGCCGCCCGATCTTCCACCTCGCTGCACCCCGAGAAAAGC
 CCCTGGAGGCAGCCAGAGCAGCAACCTGCTAGAGATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001037632
Insert Size:	1233 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_001037632.1</u> , <u>NP_001032721.1</u>
RefSeq Size:	1505 bp
RefSeq ORF:	1233 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]