

## Product datasheet for **MC216754**

### Sp9 (NM\_001005343) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sp9 (NM_001005343) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC216754 representing NM\_001005343  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCACGTCTATACTTGGGAAGAGCCACGCTTCGGAACGACCCCGTTGGCCATGCTGGCGGCACCT  
 GCAACAAGATCGGCAACAGAGCCCTGACGACCCTGCCGAGTCCAGCGCCTTCGCCAAAGCGGCTT  
 CCACCCCTGGAAGCGCTCCTCGTCCAGCTGCAACCTCGGCTCCAGTCTCTCCGGTTCGCTGTGGCCACG  
 GGCGGCCGCGGCTCGGGCAGCCTGGCGGGTGGCTCGGGAGCCGCCAACAGCGCCTTCTGCCTGGCCTCCA  
 CGTCCCCACGTCGTCGCCCTTACGACGACTATGGCGCCTTTTCTCCAACCTCGGCGCGGGCGGCGGC  
 CGCGGCCGCGCGTGTCCCGCAGGAGGCGGGCGGCCAGTCGGCCTTCATCTCCAAGGTGCACACGACG  
 GCGGCCGACGGTCTGTACCCGCGCTGGGCATGGCGCACCCGTACGAGTCGTGGTACAAGTCGGGCTTCC  
 ACTCGACCCTAGCGGCGGGCAGGTGACCAACGGCGCGGCGTTCATCGTGGTGGGACGTGCACAGCAGCCC  
 TGGGTCTGGCTGGAGGTGCAGAACCCCGCGGGGGGCTGCAGAGCTCGCTGCACCTCGGGCGCCCCCAG  
 GCCTCGCTGCACTCTCAGCTGGGCACCTACAACCCCGACTTCAGCTCGCTCACGACTCGGCCTTACGT  
 CCACCGGCCTCGGCTCGTCGGCCGCCGCGCTTCGCACCTGCTCTCCACCAGCCAGCACCTGCTGGCCCA  
 GGACGGCTTAAGCCGGTGTGCCTCTTACTCGGACTCCAGCGCAGCGGTGGCCGCGGCGGCCGCGCAGC  
 GCTATGATTTTCGGGCGCAGCGCGGCGCGCCCGCGGGGGCAGCTCGGCGCGCTCCGCCCGTCTGCTACTCGG  
 GCCGCGCCACCTGCGACTGCCCAACTGCCAGGAGGCGGAGCGGCTGGGTCCGGCCGGGGCGAGCCTACG  
 CCGCAAGGGGCTGCACAGCTGTACATCCCGGGCTGTGGCAAGGTGTACGGCAAGACGTGCGACCTGAAG  
 GCGCACCTGCGCTGGCACACGGGCGAGCGGCCCTTCGTGTGCAACTGGCTTTCTGCGGCAAGCGCTTCA  
 CGCGCTCGGACGAGCTGCAGCGCACCTGCGGACTCACACGGGCGAGAAGCGCTTCGCTGCCCTGTGTG  
 CAACAAGCGTTTTATGCGCAGCGACACCTGAGCAAAACACATTAAGACGCACAACGGGGCGCGGGGGC  
 AAAAAGGCGAGCAGTGCACGGACGCCAGCAACCTGGAGACACCCCGTTCCGAGTCCCCGGACCTCA  
 TCCTGCACGATTCGGCGTCACTGCAGCCCGGGCGGCTGCGGCGCGGCAGCGGCGGCGCGCAGCGGCG  
 AGCGGCGGCTTCGGCGGGAGGCAAGGAAGCTGCGACCGGTCCCAACGACTCCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001005343
- Insert Size:** 1455 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:**
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_001005343.2, NP_001005343.1</u>
RefSeq Size:	2813 bp
RefSeq ORF:	1455 bp
Locus ID:	381373
UniProt ID:	<u>Q64HY3</u>
Cytogenetics:	2 C3
Gene Summary:	Transcription factor which plays a key role in limb development. Positively regulates FGF8 expression in the apical ectodermal ridge (AER) and contributes to limb outgrowth in embryos.[UniProtKB/Swiss-Prot Function]