

Product datasheet for **MC216737**

Sp8 (NM_177082) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp8 (NM_177082) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp8
Synonyms:	D930049B17Rik; mBtd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216737 representing NM_177082
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTGTGCTACCTGTAATAAGATCGGCAGCCCCAGCCGCTCCCTCCTCCCTGTCGGACAGCTCTT
 CTTCTTCGGTAAAGGCTTCCACCCTTGGAAACGCTCCTCGTCTTCTCCTCCCGCAGCTGCAACGTAGT
 GGGTTCAGTCTCTCTAGCTTCGGTGTGTCGGGGGCTCCCGGAACGGCGCTCCTCCTCAGCCGACGG
 GCGGCAGCGGGCAGCAGCGGGCGCCGACGCCCTGGTGTCCGACTCTTTTAGCTGCGGAGGCTCGCCG
 GCTCCAGCGCCTTCTCTCACCTCCAGCAGCGCCGCGCAGCGGCAGCAGCTGCGGGCGCTGCCGCTT
 CAGCTCGCCCTTGGCAACGACTACTCTGTGTTCCAGGCTCCGGGCGTCTCGGGGGCAGCGGGCGGC
 GGGGGGGAGGCGGGCGGTTCCGGAGCGCACTCGCAGGATAGTCCCATCAGCCAGTGTATATCTCCA
 AGGTGCACACGTGGTGGACGGACTGCAGGATATCTACCCGCGCTGGGAATGGCGACCCGTATGAGTC
 CTGGTTCAAGCCTTCGCACCCGGCCTTGGCGCCGCGGCCGACGTGGGCTCCGCGGGCGCTCCAGCTGG
 TGGGATGTGGGCGCGGGCTGGATCGACGTGCAGAACCCCAATGGGGCGCAGCGCTGCCCGCTCGCTGC
 ACCCGGGCGCGGGGCTTTCAGACGTCGCTGCATTACCCGCTGGGAGGCTACAACCTCGGATTATCCGG
 CCTGAGCCACTCCGCAATTCAGTAGCGGTGCCTCGTCGCACCTGCTCAGCCCTGCAGGACAGCACCTCATG
 GACGGTTTCAAGCCGGTATTGCCCGGCTTACCCCGATTCCGCCCGCTCGCCGCTGGCCGGCGGGGCA
 GCTCCATGCTGAGCGCGGGGCCCGCGCGCAGTTAGGGGGTCCCCACGCTCGTCCGCTCGCCGCTACTC
 CGGCCGCGCCACTTGGCACTGCCCAACTGCCAGGAGGCTGAGCGGCTGGGCCAGCGGGAGCGAGCCTG
 CGTCGCAAAGGGCTGCATAGCTGCCACATCCCGGGCTGCGGCAAGGTGTACGGCAAGACGTCCGACCTGA
 AGGCGCACTGCGTTGGCACACCGCGAGCGGCCGTTCTGTGTGCAATTGGCTGTTCTGCGTAAGCGCTT
 TACGCGCTCCGACGAGCTGCAGCGGCACCTGCGGACCCACACGGGCGAGAAGCGCTTCGCTGCCCGGTG
 TGCAACAACGCTTCATGCGCAGCGACCACTGAGCAAGCACGTGAAGACACACAGTGGTGGCGGGCT
 CGGCGGGCTCCGGCGGGCAAGAAAGGACAGCACCCGACAGCGAGCACAGCGGGCGGGAAGCCCTCC
 TTGCCACTCCCCTGAGCTGTTGCAGCCTCCAGAGCCGGGCCACCGCAACGGCCTGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177082
- Insert Size:** 1461 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: [NM_177082.4](#), [NP_796056.2](#)

RefSeq Size: 4480 bp

RefSeq ORF: 1461 bp

Locus ID: 320145

UniProt ID: [Q8BMJ8](#)

Cytogenetics: 12 F2

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]