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Product datasheet for MC218053

Sp8 (BC082582) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp8 (BC082582) 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:

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>BC082582
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAACTTCACTTCTAGGGGAAGAACCGAGGTTGGGATCCACTCCTCTGGCCATGCTTGCTGCTACCT
GTAATAAGATCGGCAGCCCCAGCCCGTCTCCCTCCTCCCTGTCGGACAGCTCTTCTTCCTTCGGTAAAGG
CTTCCACCCTTGGAAACGCTCCTCGTCTTCCTCCTCCGGCAGCTGCAACGTAGTGGGTTCCAGTCTCTCT
AGCTTCGGTGTGTCGGGGGCCTCCCGGAACGGCGGCTCCTCCTCAGCCGCAGCGGCGGCAGCGGCGGCAG
CAGCGGCGGCCGCAGCCCTGGTGTCCGACTCTTTTAGCTGCGGAGGCTCGCCCGGCTCCAGCGCCTTCTC
TCTCACCTCCAGCAGCGCCGCCGCAGCGGCAGCAGCTGCGGCGGCTGCCGCTTCCAGCTCGCCCTTTGCC
AACGACTACTCTGTGTTCCAGGCTCCGGGCGTCTCGGGGGGCAGCGGCGGCGGCGGCGGGGGAGGCGGCG
GCGGTTCCGGAGCGCACTCGCAGGATAGCTCCCATCAGCCAGTGTTTATCTCCAAGGTGCACACGTCGGT
GGACGGACTGCAGGGTATCTACCCGCGCGTGGGAATGGCGCACCCGTATGAGTCCTGGTTCAAGCCTTCG
CACCCGGGCCTTGGCGCCGCGGCCGACGTGGGCTCCGCGGGCGCCTCCAGCTGGTGGGATGTGGGCGCGG
GCTGGATCGACGTGCAGAACCCCAATGGGGCGGCAGCGCTGCCCGGCTCGCTGCACCCGGCGGCCGGGGG
CCTTCAGACGTCGCTGCATTCACCGCTGGGAGGCTACAACTCGGATTATTCCGGCCTGAGCCACTCCGCT
CGCCGCTACTCCGGCCGCGCCACTTGCGACTGCCCCAACTGCCAGGAGGCTGAGCGGCTGGGCCCAGCGG
GAGCGAGCCTGCGTCGCAAAGGGCTGCATAGCTGCCACATCCCGGGCTGCGGCAAGGTGTACGGCAAGAC
GTCGCACCTGAAGGCGCACCTGCGTTGGCACACCGGCGAGCGGCCGTTCGTGTGCAATTGGCTGTTCTGC
GGTAAGCGCTTTACGCGCTCCGACGAGCTGCAGCGGCACCTGCGGACCCACACGGGCGAGAAGCGCTTCG
CCTGCCCGGTGTGCAACAAACGCTTCATGCGCAGCGACCACCTGAGCAAGCACGTGAAGACACACAGTGG
TGGCGGCGGCTCGGCGGGCTCCGGCGGCGGCAAGAAAGGCAGCGACACCGACAGCGAGCACAGCGCGGCG
GGAAGCCCTCCTTGCCACTCCCCTGAGCTGTTGCAGCCTCCAGAGCCGGGCCACCGCAACGGCCTGGAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: BC082582

Insert Size: 1332 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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).

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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:	BC082582, AAH82582
RefSeq Size:	4210 bp
RefSeq ORF:	1331 bp
Locus ID:	320145
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]

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