

Product datasheet for **MC218243**

Sp3 (BC027797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp3 (BC027797) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp3
Synonyms:	D130027J01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC027797
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTGCAGGCATTAATGCCGATGGACATTTGATAAACACAGGACAAGCTATGGATAGTTCAGACAATT
CAGAAAGGACTGGTGAGCGGTTTTCTCCTGATGTTAATGAACTAATGCTGATACAGATTTATTTGTGCC
AACATCCTCTTATCACAGTTGCCTGTTACAATAGATAGTACAGGTATATTACAGCAAAACACAAATAGC
TTGACTACTACTAGTGGCAAGTCCATTCTCAGATCTCAGGAAATTATCCAGTCGCCTGTTTCTG
AAGAGACACAGGCTCAGAATATTCAGGTTTCTACAGCACAGCCTGTTGTACAACATCTACAACCTCAAGA
TTCTCAGCAGCCAACCAGTCAAGCCAAATTTGCAAGGTATTACACCACAGACAATCCATGGCGTGCAA
GCCAGTGGTCAAATATATCACAACAGGCTTTGCAAAACCTTCAGTTGCAGCTGAATCCTGGAACCTTTT
TAATTCAGGCACAGACAGTGACCCCTTCTGGACAGATAACTTGGCAAACATTTCAAGTACAAGGGTCCA
GAACCTTACAGAATTTGCAAAACAAAATACTGCTGCCAACAAATTACTTTGACGCCTGTTCAGACTC
ACGCTTGGTCAAGTCGCAGCAGGTGGAGCCTTGACTTCAACTCCAGTCAGTCTAAGCACTGGTCAGTTGC
CAAATCTACAGACAGTTACAGTAAATTTCTATAGATTCTACTGGCATAACAGCTACATCCAGGAGAGATGC
CGACAGTCTGCAGATATTAGGATCAAGGAAGAGGAACCTGACCCCTGAAGAATGGCAGCTCAGTGGTGAC
TCTACACTGAACCAATGACCTAACACATTTACGAGTACAAGTGGTAGATGAAGAAGGGGACCAACAAC
ATCAAGAAGGAAAAAGACTTCGGAGGGTAGCTTGACCTGCCAACTGTAAAGAAGGTGGTGGGAGAGG
TACCAATCTTGGGAAAAAGAACACACATTTGTATATACCGGGATGTGGTAAAGTCTATGGGAAGACC
TCACATCTGAGAGCACACCTGCGTTGGCATTGGGGGAGCGCCCTTTATTTGTAAGTGGATGTTCTGTG
GTAAAAGATTTACACGAAGTGAATTAACAGAGGCACAGAAGAACACATACAGGTGAGAAGAAGTTTGT
TTGTCCAGAATGTTCAAACGCTTTATGAGAAGTGACCACCTTGCCAAACATATTAACACATCAAAT
AAAAAAGTCATTCACTCTAGCAGTACAGTGCTCGCATCTGTGGAAGCTGGAAGAGATGATGCCTTGATTA
CTGCAGGAGGAACAACACTTATCCTTGCAAATATTCAACAGGGGTCTGTGTGAGGATAGGAACTGTCAA
TACTTCTGCCACCAGCAATCAAGACATCCTTACCAACACTGAAATACCTTTACAGCTTGTACAGTTTCT
GGAAATGAGACAATGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC027797

Insert Size: 750 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: [BC027797](#), [AAH27797](#)

RefSeq Size: 3188 bp

RefSeq ORF: 1490 bp

Locus ID: 20687

Cytogenetics: 2 C3

Gene Summary: This gene product belongs to a family of Sp1 related transcription factors, which regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses transcription of numerous genes. Alternative splicing results in transcript variants encoding different isoforms, and one variant initiates translation from a non-AUG (AUA) codon. [provided by RefSeq, Jul 2008]